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Service Manual



ORDER NO. CRT3687

DEH-P980BT/XN/UC

MULTI-CD CONTROL DSP HIGH POWER CD/MP3/WMA/AAC PLAYER WITH BLUETOOTH WIRELESS TECHNOLOGY AND FM/AM TUNER

DEH-P980BT/xN/UC DEH-P9850BT/xN/ES

This service manual should be used together with the following manual(s):

| Model No. | Order No. | Mech.Module | Remarks |
|-----------|-----------|-------------|---|
| CX-3164 | CRT3583 | S10.5COMP1 | CD Mech. Module : Circuit Descriptions, Mech. Descriptions, Disassembly |



SAFETY INFORMATION

CAUTION

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This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm. Health & Safety Code Section 25249.6 - Proposition 65

- Safety Precautions for those who Service this Unit.
- When checking or adjusting the emitting power of the laser diode exercise caution in order to get safe, reliable results.

Caution:

- 1. During repair or tests, minimum distance of 13 cm from the focus lens must be kept.
- 2. During repair or tests, do not view laser beam for 10 seconds or longer.

Service Precaution



- 1. You should conform to the regulations governing the product (safety, radio and noise, and other regulations), and should keep the safety during servicing by following the safety instructions described in this manual.
- 2. Before disassembling the unit, be sure to turn off the power. Unplugging and plugging the connectors during power-on mode may damage the ICs inside the unit.
- 3. To protect the pickup unit from electrostatic discharge during servicing, take an appropriate treatment (shorting-solder) by referring to "the DISASSEMBLY".
- 4. After replacing the pickup unit, be sure to check the grating.
- 5. Be careful in handling ICs. Some ICs such as MOS type are so fragile that they can be damaged by electrostatic induction.









DEH-P980BT/XN/UC

In this manual, procedures that must be performed during repairs are marked with the below symbol.

Please be sure to confirm and follow these procedures.

1. Product safety



Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

① Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

2 Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

3 Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris. Soldering should be finished with the proper quantity. (Refer to the example)

4 Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

5 Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

6 Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs. In addition, be sure that there are no pinched wires, etc.

Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

® There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages. If you find a damaged power cord, please exchange it with a suitable one.

(9) There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

10 Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries. Please pay attention to your surroundings and repair safely.

2. Adjustments



To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification. Adjustments should be performed in accordance with the procedures/instructions described in this manual.

3. Lubricants, Glues, and Replacement parts



Use grease and adhesives that are equal to the specified substance. Make sure the proper amount is applied.

4. Cleaning



For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws



To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

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1. SPECIFICATIONS

● DEH-P980BT/XN/UC

| General | | | | |
|---------------------------------------|---|--|--|--|
| Power source | 14.4 V DC (10.8 V to 15.1 V | | | |
| | allowable) | | | |
| Grounding system | Negative type | | | |
| Max. current consumption | | | | |
| | 10.0 A | | | |
| Backup current | 6.5 mA or less | | | |
| Dimensions (W \times H \times D): | | | | |
| DIN | | | | |
| Chassis | 178 × 50 × 161 mm | | | |
| | $(7 \times 2 \times 6-3/8 \text{ in.})$ | | | |
| Nose | 188 $	imes$ 58 $	imes$ 23 mm | | | |
| | $(7-3/8 \times 2-1/4 \times 7/8 \text{ in.})$ | | | |
| D | | | | |
| Chassis | 178 × 50 × 166 mm | | | |
| | $(7 \times 2 \times 6-1/2 \text{ in.})$ | | | |
| Nose | 170 × 45 × 18 mm | | | |
| | $(6-3/4 \times 1-3/4 \times 3/4 \text{ in.})$ | | | |
| Weight | 1.7 kg (3.7 lbs) | | | |
| | | | | |
| Audio/DSP | | | | |
| Maximum power output | 50 W × 4 | | | |
| Continuous power output | 22 W × 4 (50 Hz to 15 000 | | | |
| | Hz, 5% THD, 4Ω load, both | | | |
| | channels driven) | | | |
| Load impedance | 4 Ω (4 Ω to 8 Ω allowable) | | | |
| Preout max output level/out | tput impedance | | | |
| , | 5 V/100 Ω | | | |
| Loudness contour | +10 dB (100 Hz), +6.5 dB | | | |
| | (10 kHz) (volume: –30 dB) | | | |
| Equalizer (16-Band Graphic | Equalizer): | | | |
| Frequency | 20/31.5/50/80/125/200/315/ | | | |
| | 500/800/1.25k/2k/3.15k/5k/ | | | |
| | 8k/12.5k/20k Hz | | | |
| Equalization range | ±12 dB | | | |
| Auto equalizer: | | | | |
| (Front & rear & subwoo | | | | |
| Frequency | 20/31.5/50/80/125/200/315/ | | | |
| | 500/800/1.25k/2k/3.15k/5k/ | | | |
| | 8k/12.5k/20k Hz | | | |
| Equalization range | +6 dB to -12 dB | | | |
| HPF (Front/rear): | | | | |
| Frequency | 50/63/80/100/125/160/200 | | | |
| | Hz | | | |
| | . 0 (Pass)/-6/-12 dB/oct | | | |
| Gain | 0 dB to -24 dB/Mute | | | |
| Subwoofer (stereo/mono): | E0/00/00/400/40E/400/000 | | | |
| Frequency | 50/63/80/100/125/160/200 | | | |
| 01 | Hz | | | |
| Slope | | | | |
| | +6 dB to -24 dB/Mute | | | |
| Phase | . Normal/Reverse | | | |
| CD player | | | | |
| | . Compact disc audio system | | | |
| Usable discs | . Compact disc | | | |
| Signal format: | | | | |
| Sampling frequency 44.1 kHz | | | | |
| Number of quantization bits | | | | |

| 5 Hz to 20 000 Hz (±1 dB) |
|----------------------------|
| 100 dB (1 kHz) (IHF-A net- |
| work) |
| 95 dB (1 kHz) |
| 2 (stereo) |
| MPEG-1 & 2 Audio Layer 3 |
| Ver. 7, 7.1, 8, 9, 10 (2ch |
| audio) |
| (Windows Media Player) |
| MPEG-4 AAC (iTunes® en- |
| coded only) |
| Linear PCM & MS ADPCM |
| |

FM tuner

| Frequency range87.9 MHz to 107.9 MHz |
|--|
| Usable sensitivity 8 dBf (0.7 μ V/75 Ω , mono, |
| S/N: 30 dB) |
| 50 dB quieting sensitivity 10 dBf (0.9 μ V/75 Ω , mono) |
| Signal-to-noise ratio 75 dB (IHF-A network) |
| Distortion 0.3 % (at 65 dBf, 1 kHz, |
| stereo) |
| 0.1 % (at 65 dBf, 1 kHz, |
| mono) |
| Frequency response |
| Stereo separation45 dB (at 65 dBf, 1 kHz) |
| Selectivity 80 dB (±200 kHz) |
| Three-signal intermodulation (desired signal level) |
| 30 dBf (two undesired sig- |
| nal level: 100 dBf) |

AM tuner

| Frequency range530 |) kHz to 1 710 kHz (10 |
|----------------------------|------------------------|
| kH | z) |
| Usable sensitivity18 μ | uV (S/N: 20 dB) |
| Signal-to-noise ratio65 (| dB (IHF-A network) |

Bluetooth

| Diactootii | |
|--------------|-----------------------------|
| Version | Bluetooth 1.2 certified |
| Output power | +4 dBm Max. |
| | (Power class 2) |
| Profile | .GAP (Generic Access Pro- |
| | file) |
| | SDP (Service Discovery Pro- |
| | tocol) |
| | HSP (Head Set Profile) |
| | HFP (Hands Free Profile) |
| | A2DP (Advanced Audio Dis- |
| | tribution Profile) |
| | AVRCP (Audio Video Re- |
| | mote Control Profile) |
| | |

Note

Specifications and the design are subject to possible modifications without notice due to improvements.

OPP (Object Push Profile)

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......16; linear

● DEH-P9800BT/XN/UC

| Gen | era | ı |
|-----|-----|---|
|-----|-----|---|

| Gener | al | |
|-----------|---------------------------------|---|
| Power s | ource | 14.4 V DC (10.8 V to 15.1 V |
| | | allowable) |
| | ng system | Negative type |
| Max. cu | rrent consumption | |
| | | |
| , | current | 6.5 mA or less |
| | ions (W \times H \times D): | |
| DIN | | |
| | Chassis | 178 × 50 × 161 mm |
| | NI | $(7 \times 2 \times 6-3/8 \text{ in.})$ |
| | Nose | $1.188 \times 58 \times 23 \text{ mm}$ |
| D | | $(7-3/8 \times 2-1/4 \times 7/8 \text{ in.})$ |
| D | Chassis | 178 × 50 × 166 mm |
| | C1103313 | $(7 \times 2 \times 6-1/2 \text{ in.})$ |
| | Nose | 170 × 45 × 18 mm |
| | 11000 | $(6-3/4 \times 1-3/4 \times 3/4 \text{ in.})$ |
| Weiaht | | |
| | | |
| Audio | /DSP | |
| Maximu | m power output | 50 W × 4 |
| | | 22 W × 4 (50 Hz to 15 000 |
| | | Hz, 5% THD, 4 Ω load, both |
| | | channels driven) |
| | | 4 Ω (4 Ω to 8 Ω allowable) |
| | nax output level/ou | |
| | | |
| Loudnes | ss contour | +10 dB (100 Hz), +6.5 dB |
| | 405 10 11 | (10 kHz) (volume: –30 dB) |
| | er (16-Band Graphic | |
| Fred | quency | 20/31.5/50/80/125/200/315/ |
| | | 500/800/1.25k/2k/3.15k/5k/ 8k/12.5k/20k Hz |
| Fai | alization range | |
| | ont/rear): | ± 12 dD |
| | | 50/63/80/100/125/160/200 |
| ,,,,, | 4 a c r c y | Hz |
| Slo | pe | 0 (Pass)/-6/-12 dB/oct |
| | | 0 dB to -24 dB/Mute |
| Subwoo | fer (stereo/mono): | |
| | | 50/63/80/100/125/160/200 |
| | | Hz |
| | | 6/-12/-18 dB/oct |
| Gai | n | +6 dB to –24 dB/Mute |
| Pha | ase | Normal/Reverse |
| | | |
| CD pla | - | |
| | | Compact disc audio system |
| | discs | Compact disc |
| Signal fo | | 44411 |
| | mpling frequency | |
| | mber of quantizatio | |
| | | |
| | | 5 Hz to 20 000 Hz (±1 dB) |
| Signal-to | o-noise ratio | 100 dB (1 kHz) (IHF-A net- |
| | | work) |
| | | |

| Dynamic range | . 95 dB (1 kHz) |
|---------------------|------------------------------|
| Number of channels | . 2 (stereo) |
| MP3 decoding format | . MPEG-1 & 2 Audio Layer 3 |
| WMA decoding format | . Ver. 7, 7.1, 8, 9, 10 (2ch |
| | audio) |
| | (Windows Media Player) |
| AAC decoding format | . MPEG-4 AAC (iTunes® en- |
| | coded only) |
| WAV signal format | . Linear PCM & MS ADPCM |
| | |

FM tuner

| Frequency range87.9 MHz to 107.9 MHz |
|--|
| Usable sensitivity |
| S/N: 30 dB) |
| 50 dB quieting sensitivity 10 dBf (0.9 μ V/75 Ω , mono) |
| Signal-to-noise ratio75 dB (IHF-A network) |
| Distortion |
| stereo) |
| 0.1 % (at 65 dBf, 1 kHz, |
| mono) |
| Frequency response30 Hz to 15 000 Hz (±3 dB) |
| Stereo separation45 dB (at 65 dBf, 1 kHz) |
| Selectivity80 dB (±200 kHz) |
| Three-signal intermodulation (desired signal level) |
| 30 dBf (two undesired sig- |
| nal level: 100 dBf) |
| · · · · · · · · · · · · · · · · · · · |

AM tuner

| Frequency range | 530 kHz to 1 710 kHz (10 |
|-----------------------|--------------------------|
| | kHz) |
| Usable sensitivity | 18 µV (S/N: 20 dB) |
| Signal-to-noise ratio | 65 dB (IHF-A network) |

Bluetooth

| Version | . Bluetooth 1.2 certified |
|--------------|-----------------------------|
| Output power | . +4 dBm Max. |
| | (Power class 2) |
| Profile | GAP (Generic Access Pro- |
| | file) |
| | SDP (Service Discovery Pro- |
| | tocol) |
| | HSP (Head Set Profile) |
| | HFP (Hands Free Profile) |
| | A2DP (Advanced Audio Dis- |
| | tribution Profile) |
| | AVRCP (Audio Video Re- |
| | mote Control Profile) |
| | OPP (Object Push Profile) |
| | |



Specifications and the design are subject to possible modifications without notice due to improvements.

| ● DEH-P9850BT/XN/ES | |
|---------------------------------------|---|
| General | |
| Rated power source | 14.4 V DC |
| | (allowable voltage range: |
| | 12.0 V to 14.4 V DC) |
| Grounding system | Negative type |
| Max. current consumption | |
| •••• | |
| Backup current | . 6.5 mA or less |
| Dimensions (W \times H \times D): | |
| DIN | 170 × E0 × 161 mm |
| | $178 \times 50 \times 161 \text{ mm}$ $188 \times 58 \times 23 \text{ mm}$ |
| D | 188 × 38 × 23 11111 |
| | 178 × 50 × 166 mm |
| | 170 × 45 × 18 mm |
| Weight | |
| C | |
| Audio/DSP | |
| Maximum power output | 50 W × 4 |
| Continuous power output | |
| | Hz, 5% THD, 4 Ω load, both |
| | channels driven) |
| Load impedance | 4Ω (4Ω to 8Ω allowable) |
| Preout max output level/out | put impedance |
| •••••••••••••••••••••••••••••••••••• | |
| Loudness contour | |
| | (10 kHz) (volume: -30 dB) |
| Equalizer (16-Band Graphic | |
| Frequency | 20/31.5/50/80/125/200/315/ |
| | 500/800/1.25k/2k/3.15k/5k/ |
| Equalization range | 8k/12.5k/20k Hz +12.dB |
| Auto equalizer: | ±12 db |
| (Front & rear & subwoot | fer 16 hand graphic) |
| | 20/31.5/50/80/125/200/315/ |
| | 500/800/1.25k/2k/3.15k/5k/ |
| | 8k/12.5k/20k Hz |
| Equalization range | +6 dB to -12 dB |
| HPF (Front/rear): | |
| Frequency | 50/63/80/100/125/160/200 |
| | Hz |
| Slope | |
| Gain | 0 dB to -24 dB/Mute |
| Subwoofer (stereo/mono): | E0/00/00 /4 00 /4 0E /4 00/000 |
| Frequency | 50/63/80/100/125/160/200 Hz |
| Slope | |
| Gain | |
| Phase | |
| CD player | 1 voi mai, neverse |
| | Compact disc audio system |
| Usable discs | |
| Signal format: | |
| Sampling frequency | . 44.1 kHz |
| Number of quantization | |
| | |
| Frequency characteristics | |
| Signal-to-noise ratio | 100 dB (1 kHz) (IEC-A not- |

| Dynamic range | 3 |
|---|------|
| (Windows Media Player) AAC decoding format MPEG-4 AAC (iTunes [®] er coded only) WAV signal format Linear PCM & MS ADPC | ∩- |
| F34 to | |
| FM tuner | |
| Frequency range | >, |
| 50 dB quieting sensitivity 10 dBf (0.9 μ V/75 Ω , mon Signal-to-noise ratio | 0) |
| mono) Frequency response | B) |
| Stereo deparation To db (at do db), 1 (11) | |
| AM tuner | |
| Frequency range531 kHz to 1 602 kHz (9 k 530 kHz to 1 640 kHz (10 kHz) | Hz) |
| Usable sensitivity | |
| Bluetooth | |
| Version Bluetooth 1.2 certified | |
| Output power+4 dBm Max. (Power class 2) | |
| ProfileGAP (Generic Access Pro | ٥- |
| file) SDP (Service Discovery F | Pro- |
| tocol) HSP (Head Set Profile) HFP (Hands Free Profile) A2DP (Advanced Audio I tribution Profile) AVRCP (Audio Video Re- mote Control Profile) OPP (Object Push Profile) | Dis- |
| Information of the I | |
| Infrared remote control | |
| Wavelength | d |
| ∕ Note | |

Specifications and the design are subject to possible modifications without notice due to im-

provements.

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Signal-to-noise ratio100 dB (1 kHz) (IEC-A net-

work)

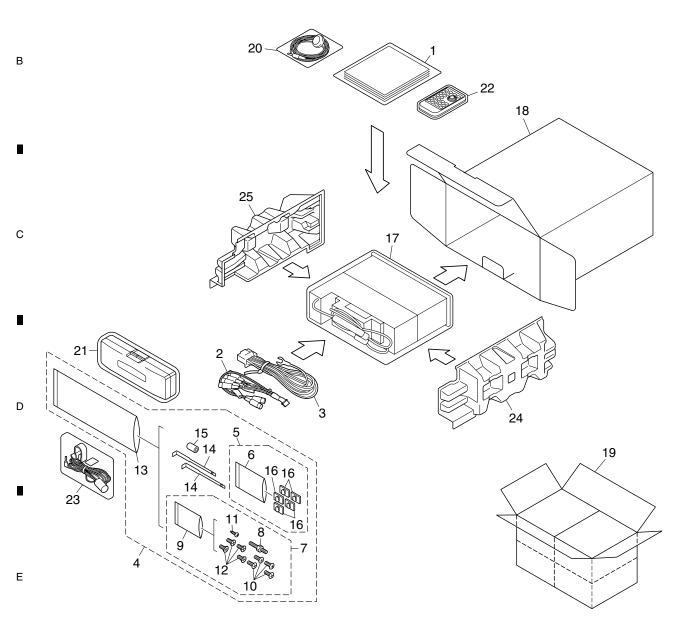
2. EXPLODED VIEWS AND PARTS LIST

NOTES: • Parts marked by "*" are generally unavailable because they are not in our Master Spare Parts List.

- The \triangle mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Screw adjacent to ∇ mark on the product are used for disassembly.
- For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)

2.1 PACKING

Α



(1) PACKING SECTION PARTS LIST

5

| Mark | <u>No.</u> | Description | Part No. | Mark N | <u>lo.</u> | <u>Description</u> | Part No. | |
|------|------------|---------------------|-----------------------|--------|------------|---------------------|-----------------------|---|
| * | 1-1 | Card | See Contrast table(2) | | 11 | Screw | See Contrast table(2) | |
| | 1-2 | Polyethylene Bag | CEG1116 | - | 12 | Screw | TRZ50P080FTC | Α |
| | 1-3 | Owner's Manual | See Contrast table(2) | * - | 13 | Polyethylene Bag | CEG-158 | |
| | 1-4 | Installation Manual | See Contrast table(2) | • | 14 | Handle | CNC5395 | |
| | 1-5 | Waranty Card | See Contrast table(2) | | | | | |
| | | | | - | 15 | Bush | CNV3930 | |
| | 1-6 | Caution Card | CRP1310 | * - | 16 | Clamper | CNN8262 | _ |
| * | 1-7 | Caution Card | XRP7002 | - | 17 | Polyethylene Bag | See Contrast table(2) | |
| | 2 | Cord Assy | CDE8284 | - | 18 | Carton | See Contrast table(2) | |
| | 3 | Cord Assy | CDE7701 | | 19 | Contain Box | See Contrast table(2) | |
| | 4 | Accessory Assy | See Contrast table(2) | | | | | |
| | | | | 2 | 20 | Microphone Assy | See Contrast table(2) | |
| | 5 | Cord Clamper Assy | CEA4636 | 2 | 21 | Case Assy | XXA7417 | В |
| * | 6 | Polyethylene Bag | E36-615 | 2 | 22 | Remote Control Unit | CXC5715 | |
| | 7 | Screw Assy | See Contrast table(2) | 2 | 23 | Microphone Assy | CPM1059 | |
| | 8 | Screw | CBA1650 | 2 | 24 | Protector | XHP7008 | |
| * | 9 | Polyethylene Bag | CEG-127 | | | | | |
| | | | | 2 | 25 | Protector | XHP7007 | |
| | 10 | Screw | CRZ50P090FTC | | | | | |

(2) CONTRAST TABLEDEH-P980BT/XN/UC, DEH-P9800BT/XN/UC and DEH-P9850BT/XN/ES are constructed the same except for the following:

| Mark | No. | Description | DEH-P980BT/XN/UC | DEH-P9800BT/XN/UC | DEH-P9850BT/XN/ES |
|------|-----|---------------------|------------------|-------------------|-------------------|
| * | 1-1 | Not used | Not used | ARY1048 | Not used |
| | 1-3 | Owner's Manual | CRD4096 | CRD4098 | CRB2179 |
| | 1-4 | Installation Manual | CRD4097 | CRD4099 | CRB2180 |
| | 1-5 | Waranty Card | CRY1070 | CRY1246 | Not used |
| | 4 | Accessory Assy | CEA5919 | CEA5919 | * CEA5920 |
| | 7 | Screw Assy | CEA5322 | CEA5322 | CEA3849 |
| | 11 | Screw | JPZ20P060FTB | JPZ20P060FTB | Not used |
| | 17 | Polyethylene Bag | CEG1173 | CEG1173 | CEG-162 |
| | 18 | Carton | CHG5751 | CHG5750 | CHG5747 |
| | 19 | Contain Box | CHL5751 | CHL5750 | CHL5747 |
| | 20 | Microphone Assy | CPM1054 | Not used | CPM1054 |

Owner's Manual, Installation Manual

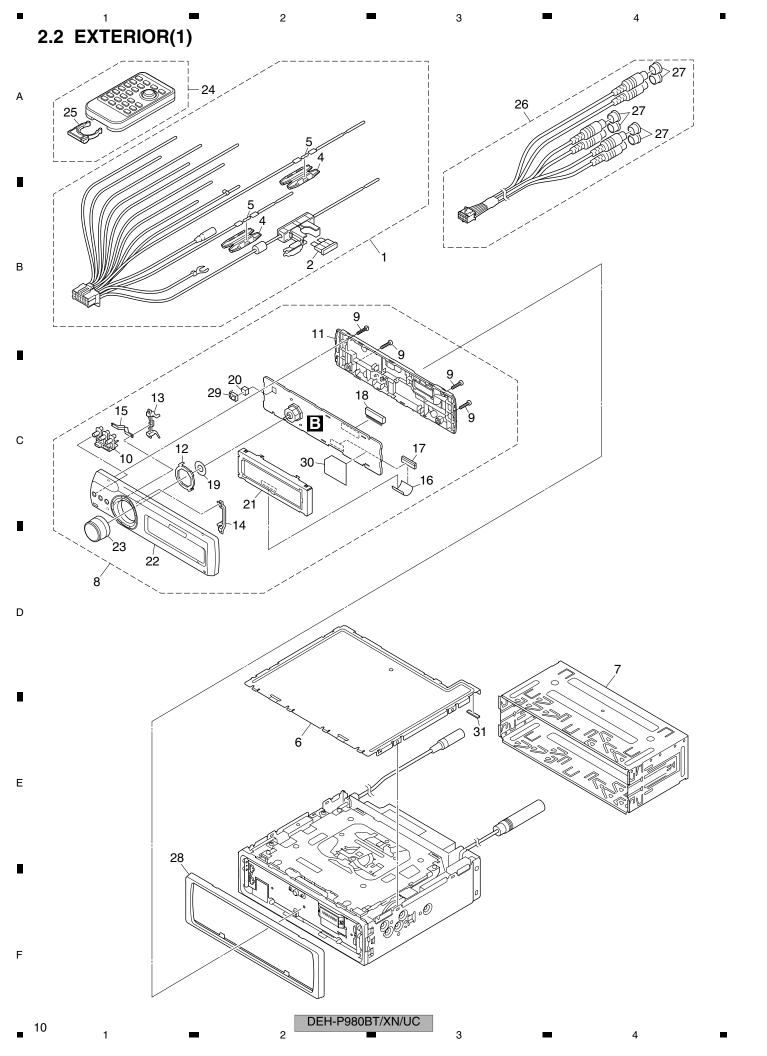
| Part No. | Language |
|----------|-----------------|
| CRD4096 | English, French |
| CRD4097 | English, French |
| CRD4098 | English, French |
| CRD4099 | English, French |
| CRB2179 | English |
| CRB2180 | English |

DEH-P980BT/XN/UC

С

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(1) EXTERIOR(1) SECTION PARTS LIST

| Mark No. | <u>Description</u> | Part No. | Mark No. | <u>Description</u> | Part No. | |
|----------|--------------------------|-----------------------|----------|--------------------------|-----------------------|----|
| 1 | Cord Assy | CDE7701 | 17 | Connector(CN1931) | CKS5090 | |
| | Fuse(10 A) | CEK1136 | 18 | Connector(CN1701) | CKS5662 | Α |
| 3 | ••••• | | 19 | Sheet | CNM8658 | ,, |
| 4 | Сар | CNS1472 | 20 | Cushion | CNM9946 | |
| 5 | Resistor | RS1/2PMF102J | | | | |
| | | | 21 | OEL Module | MXK8230 | |
| 6 | Case Assy | CXC6907 | 22 | Grille Unit | See Contrast table(2) | |
| 7 | Holder | CNC8659 | 23 | Knob Unit(MULTI-CONTROL) | CXC5674 | |
| 8 | Detach Grille Assy | See Contrast table(2) | 24 | Remote Control Unit | CXC5715 | |
| 9 | Screw | BPZ20P080FTB | 25 | Cover | CZN5357 | |
| 10 | Button (EQ, DISP, CLOCK) | CAC9527 | | | | |
| | | | 26 | Cord Assy | CDE8284 | |
| 11 | Cover | CNS8491 | 27 | Cap | CNV6727 | В |
| 12 | Holder | CNV8834 | 28 | Panel | XNS7145 | |
| 13 | Lighting Conductor | CNV9010 | 29 | IC (IC1801) | GP1UX51RK | |
| 14 | Lighting Conductor | CNV9011 | 30 | Insulator | CNN1327 | |
| 15 | Lighting Conductor | CNV9013 | | | | |
| | | | 31 | Cushion | CNN1405 | _ |
| 16 | Cable | CDE8057 | | | | |
| | | | | | | |

(2) CONTRAST TABLE
DEH-P980BT/XN/UC, DEH-P9800BT/XN/UC and DEH-P9850BT/XN/ES are constructed the same except for the following:

| Mark | No. | Description | DEH-P980BT/XN/UC | DEH-P9800BT/XN/UC | DEH-P9850BT/XN/ES |
|------|-----|--------------------|------------------|-------------------|-------------------|
| | 8 | Detach Grille Assy | CXC5593 | CXC5594 | CXC5595 |
| | 22 | Grille Unit | CXC5601 | CXC5602 | CXC5603 |

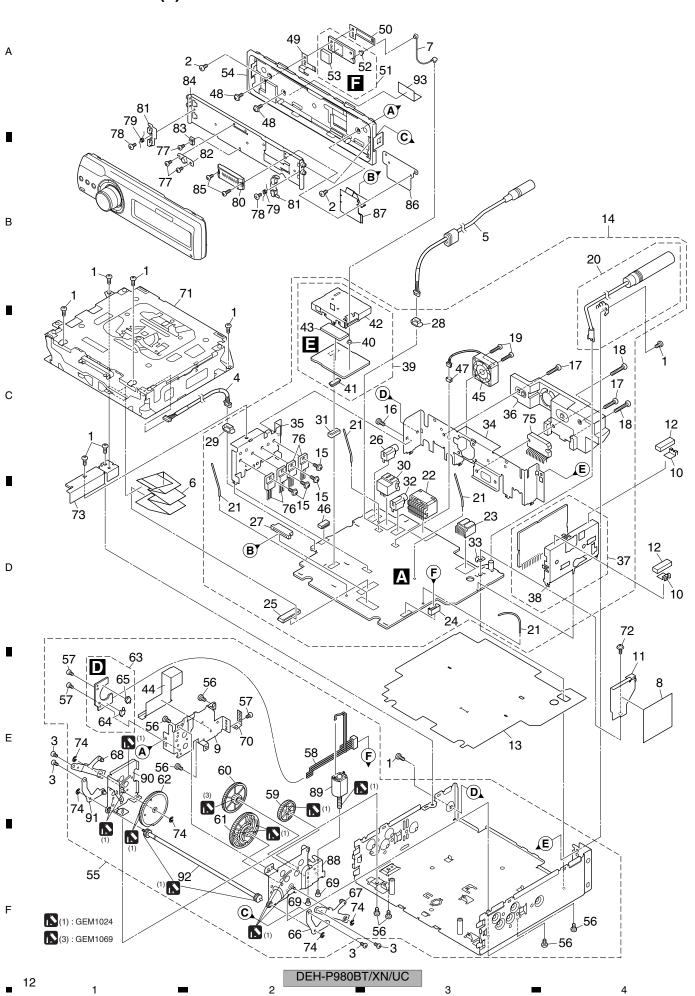
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2.3 EXTERIOR(2)



(1) EXTERIOR(2) SECTION PARTS LIST

| ` ' | - () | | | | | |
|----------|---|-----------------------|----------|-------------------------------|--------------------|---|
| Mark No. | <u>Description</u> | Part No. | Mark No. | <u>Description</u> | Part No. | |
| 1 | Screw | BSZ26P060FTC | 48 | Screw(M2 x 3.5) | CBA2030 | |
| 2 | Screw(M2.6 x 4) | CBA1828 | 49 | Earth Plate | CND3138 | |
| 3 | Screw(M2 x 2.5) | CBA1924 | 50 | Holder | CND3139 | 4 |
| 4 | Cord Assy | CDE8315 | | | | |
| 5 | Cord Assy | See Contrast table(2) | 51 | Antenna Unit | CWN1772 | |
| | • | , , | 52 | Connector(ANT1102) | CKS5058 | |
| 6 | Cable | CDE8067 | 53 | BT Antenna (ANT1101) | CWX3132 | |
| 7 | Cord Assy | CDE8125 | 54 | Panel Unit | CXC6608 | |
| 8 | Insulator | CNN1406 | 55 | Drive Unit | CXC6618 | |
| 9 | Holder | XNX7017 | | | | |
| 10 | Earth Plate | CND2171 | 56 | Screw | BMZ26P040FTC | |
| | | | 57 | Screw(M2 x 2) | CBA1871 | |
| 11 | Shield | CND3599 | 58 | Cord | CDE7392 | |
| 12 | Cushion | CNM9126 | 59 | Gear | CNV7752 | |
| 13 | Insulator | CNN1413 | 60 | Gear | CNV7753 | |
| 14 | Tuner Amp Unit | See Contrast table(2) | | | | |
| 15 | Screw | ASZ26P060FTC | 61 | Gear | CNV7754 | |
| 13 | Sciew | A32201 0001 TO | 62 | Gear | CNV7755 | |
| 16 | Screw | BMZ26P040FTC | 63 | Switch Unit | CWS1389 | |
| | Screw | | 64 | Switch(S1) | CSN1051 | |
| 17 | | BMZ26P120FTC | 65 | Switch(S2) | CSN1052 | |
| 18 | Screw (MO.C. v. 1.4) | BMZ26P180FTC | 00 | GWIIGH(GZ) | 00111002 | |
| 19 | Screw(M2.6 x 14) | CBA1632 | 66 | Arm Unit | CXC2199 | |
| 20 | Antenna Cable | CDH1336 | 67 | Arm Unit | CXC6623 | |
| | | 0==: | | Arm Unit | | |
| 21 | Clamper | CEF1050 | 68 | | CXC6624 | |
| 22 | Plug(CN991) | CKM1278 | 69 | Screw | JFZ20P020FTC | |
| 23 | Connector(CN321) | CKM1389 | 70 | Spring | XBL7003 | (|
| 24 | Plug(CN801) | CKS-786 | | 00.44 1 14 14 16 16 | 5) 0)///5754 | |
| 25 | Connector(CN701) | CKS3834 | 71 | CD Mechanism Module (S10 | , | |
| | | | 72 | Screw | ISS26P055FTC | |
| 26 | Connector(CN671) | See Contrast table(2) | 73 | Holder | CND3606 | |
| 27 | Connector(CN811) | CKS4811 | 74 | Washer | YE15FTC | |
| 28 | Connector(CN431) | CKS4823 | 75 | IC (IC351) | PAL007B | |
| 29 | Connector(CN702) | CKS4824 | | | | |
| 30 | Connector(CN101) | CKS5271 | 76 | Transistor (Q721,901,911,92 | | |
| | | | 77 | Screw(M2 x 2) | CBA1871 | |
| 31 | Connector(CN551) | CKS5321 | 78 | Screw(M2 x 2) | CBA1935 | |
| 32 | Connector(CN441) | CKS5523 | 79 | Spring | CBH2530 | |
| 33 | Holder(CN402) | CNC5399 | 80 | Connector | CKS5273 | |
| 34 | Holder | See Contrast table(2) | | | | |
| 35 | | CND3133 | 81 | Arm | CNV6962 | |
| | | | 82 | Guide | CNV6967 | |
| 36 | Heat Sink | CNR1869 | 83 | Guide | CNV8048 | |
| 37 | FM/AM Tuner Unit | CWE1952 | 84 | Case Unit | CXC5695 | |
| 38 | Holder | CND1054 | 85 | Screw(M2 x 3.5) | XBA7002 | |
| 39 | Bluetooth Unit | CWN1771 | | , | | |
| 40 | Connector(CN1) | CKS5058 | 86 | Holder | XNC7019 | |
| 40 | Connector(CIVI) | ON33030 | 87 | Flexible PCB | XNP7026 | |
| 41 | Connector(CN76) | CKS5320 | 88 | Holder Unit | XXA7399 | |
| | , , | | 89 | Motor Unit(M801) | XXA7400 | |
| 42 | Shield | CND3134 | 90 | Holder Unit | XXA7400 XXA7401 | |
| 43 | Sheet | CNM9598 | 90 | Holder Offic | AAATTUT | |
| 44 | Insulator | XNM7119 | 91 | Arm Unit | XXA7403 | |
| 45 | Fan Motor(M972) | CXM1288 | | | | |
| | | | 92 | Gear Unit | XXA7424 | |
| 46 47 | 7P FFC Connector (CN561) ZH Connector 2P (CN971) | VKN1299 VKN1928 | 93 | Insulator | CNN1499 | |

(2) CONTRAST TABLEDEH-P980BT/XN/UC, DEH-P9800BT/XN/UC and DEH-P9850BT/XN/ES are constructed the same except for the following:

| Mark | No. | Description | DEH-P980BT/XN/UC | DEH-P9800BT/XN/UC | DEH-P9850BT/XN/ES |
|------|-----|------------------|------------------|-------------------|-------------------|
| | 5 | Cord Assy | CDE8062 | CDE8144 | CDE8062 |
| | 14 | Tuner Amp Unit | CWN1436 | CWN1437 | CWN1438 |
| | 26 | Connector(CN671) | CKS4124 | CKS4124 | Not used |
| | 34 | Holder | CND3132 | CND3132 | CND3161 |

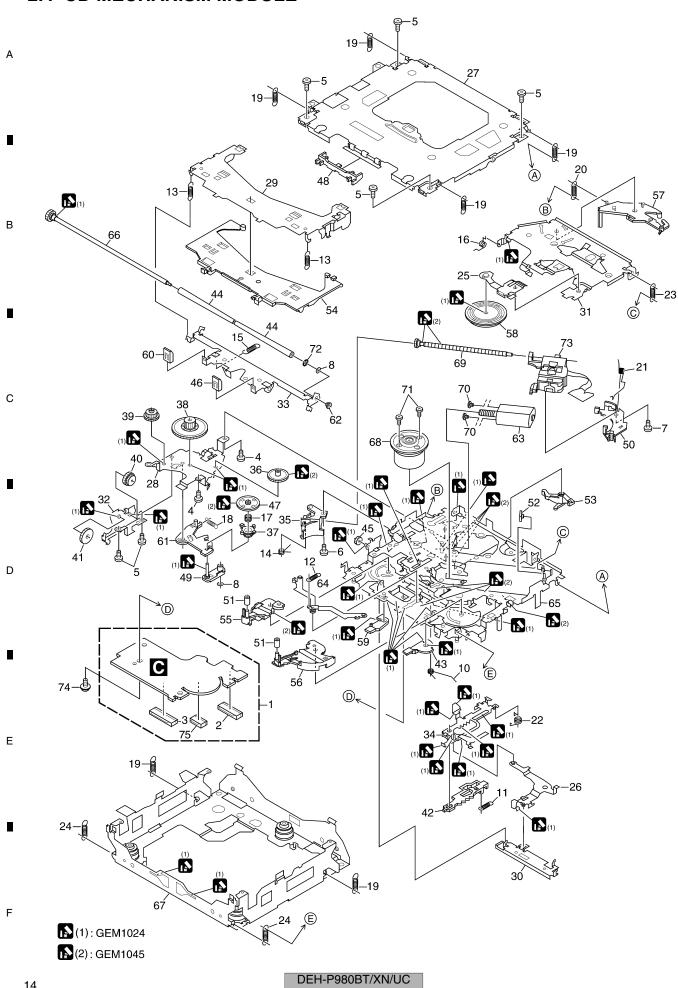
DEH-P980BT/XN/UC

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2.4 CD MECHANISM MODULE

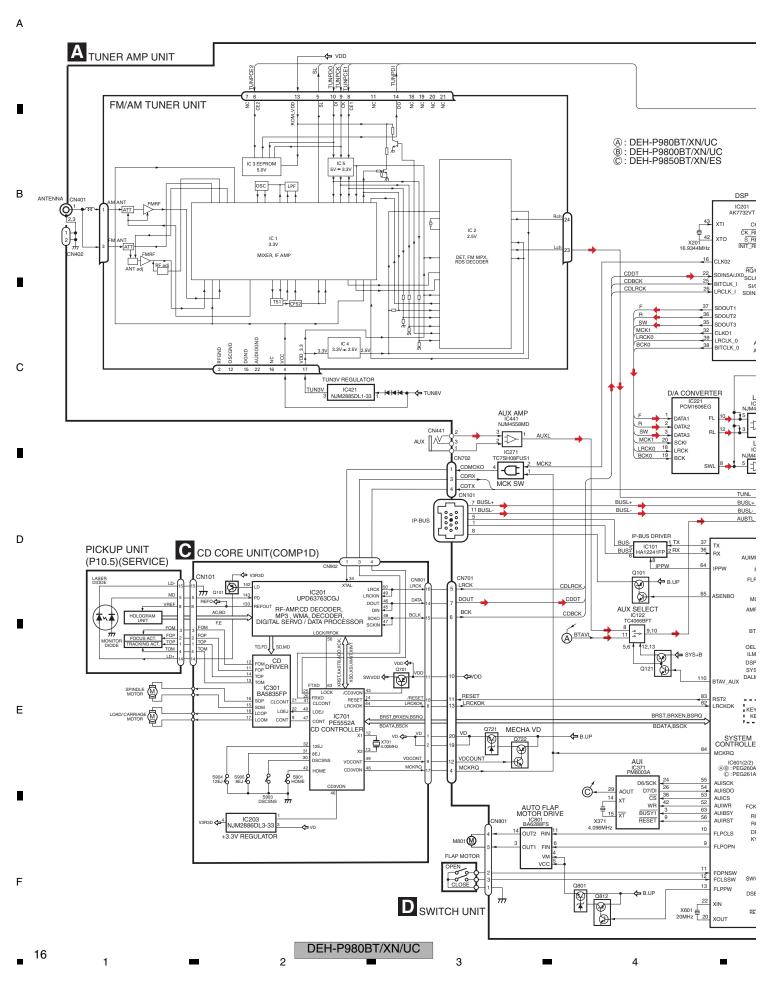


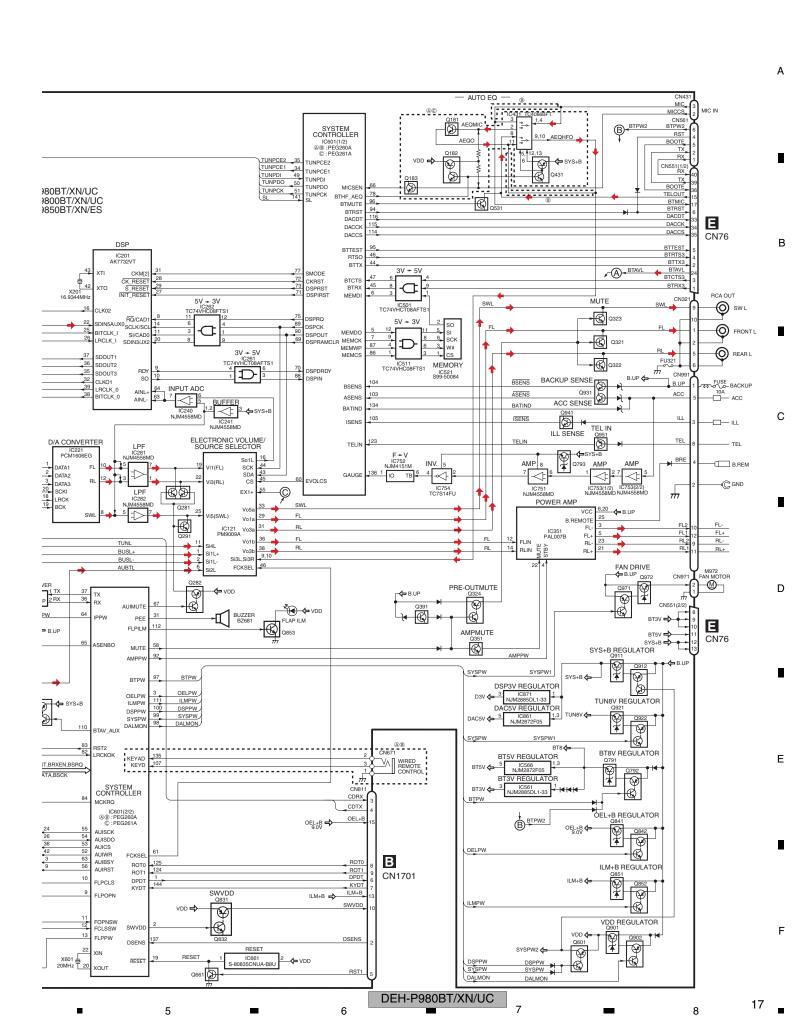
| | HANISM MODULE SEC | | | | |
|--------------|----------------------|-----------------|----------|-----------------------------|--------------|
| <u>k No.</u> | <u>Description</u> | Part No. | Mark No. | <u>Description</u> | Part No. |
| 1 | CD Core Unit(COMP1D) | CWX3328 | 50 | Rack | CNV8342 |
| 2 | Connector(CN101) | CKS4182 | | | |
| 3 | Connector(CN901) | CKS4187 | 51 | Roller | CNV8343 |
| 4 | Screw | BMZ20P025FTC | 52 | Holder | CNV8344 |
| 5 | Screw | BSZ20P040FTC | 53 | Arm | CNV8345 |
| Ŭ | 20.011 | 202201 0 101 10 | 54 | Guide | CNV8347 |
| 6 | Screw(M2 x 3) | CBA1511 | 55 | Arm | CNV8348 |
| | | CBA1835 | | | |
| 7 | Screw(M2 x 4) | | 56 | Arm | CNV8349 |
| 8 | Washer | CBF1038 | 57 | Arm | CNV8350 |
| 9 | ••••• | | | | |
| 10 | Spring | CBH2609 | 58 | Clamper | CNV8365 |
| | | | 59 | Arm | CNV8386 |
| 11 | Spring | CBH2612 | 60 | Guide | CNV8396 |
| 12 | Spring | CBH2614 | | | |
| 13 | Spring | CBH2616 | 61 | Arm | CNV8413 |
| 14 | Spring | CBH2617 | 62 | Collar | CNV8938 |
| 15 | Spring | CBH2620 | 63 | Motor Unit(M2) | CXC4026 |
| | . . | | 64 | Arm Unit | CXC4027 |
| 16 | Spring | CBH2855 | 65 | Chassis Unit | CXC4028 |
| 17 | Spring | CBH2937 | | | |
| 18 | Spring | CBH2735 | 66 | Gear Unit | CXC4029 |
| | · | | 67 | Frame Unit | CXC4031 |
| 19 | Spring | CBH2854 | 68 | Motor Unit(M1) | CXC6742 |
| 20 | Spring | CBH2642 | | | |
| | | | 69 | Screw Unit | CXC6359 |
| 21 | Spring | CBH2856 | 70 | Screw | JFZ20P020FTC |
| 22 | Spring | CBH2857 | | | |
| 23 | Spring | CBH2860 | 71 | Screw | JGZ17P022FTC |
| 24 | Spring | CBH2861 | 72 | Washer | YE20FTC |
| 25 | Spring | CBL1686 | 73 | Pickup Unit(P10.5)(Service) | CXX1942 |
| | , 3 | | 74 | Screw | IMS26P030FTC |
| 26 | Arm | CND1909 | 75 | Connector(CN902) | CKS4979 |
| 27 | Frame | CND2582 | | , | |
| 28 | Bracket | CND2583 | | | |
| | | | | | |
| 29 | Arm | CND2584 | | | |
| 30 | Lever | CND2585 | | | |
| 31 | Arm | CND2586 | | | |
| 32 | Bracket | CND2587 | | | |
| 33 | Arm | CND2588 | | | |
| 34 | Lever | CND2589 | | | |
| 35 | Holder | CNV7201 | | | |
| 55 | | 0 | | | |
| 36 | Gear | CNV7207 | | | |
| 37 | Gear | CNV7208 | | | |
| 38 | Gear | CNV7209 | | | |
| 39 | Gear | CNV7210 | | | |
| 40 | Gear | CNV7211 | | | |
| | | | | | |
| 41 | Gear | CNV7212 | | | |
| 42 | Rack | CNV7214 | | | |
| 43 | Arm | CNV7216 | | | |
| 44 | Roller | CNV7218 | | | |
| 45 | Gear | CNV7219 | | | |
| | | | | | |
| 46 | Guide | CNV7361 | | | |
| 47 | Gear | CNV7595 | | | |
| 48 | Guide | CNV7799 | | | |
| 49 | Arm | CNV7805 | | | |

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3. BLOCK DIAGRAM AND SCHEMATIC DIAGRAM

3.1 BLOCK DIAGRAM

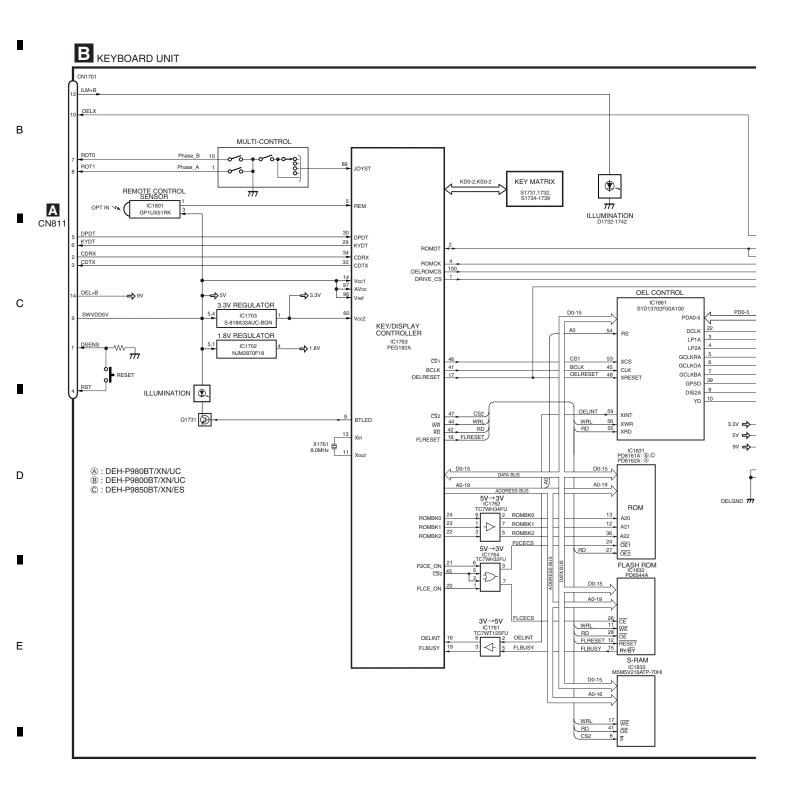




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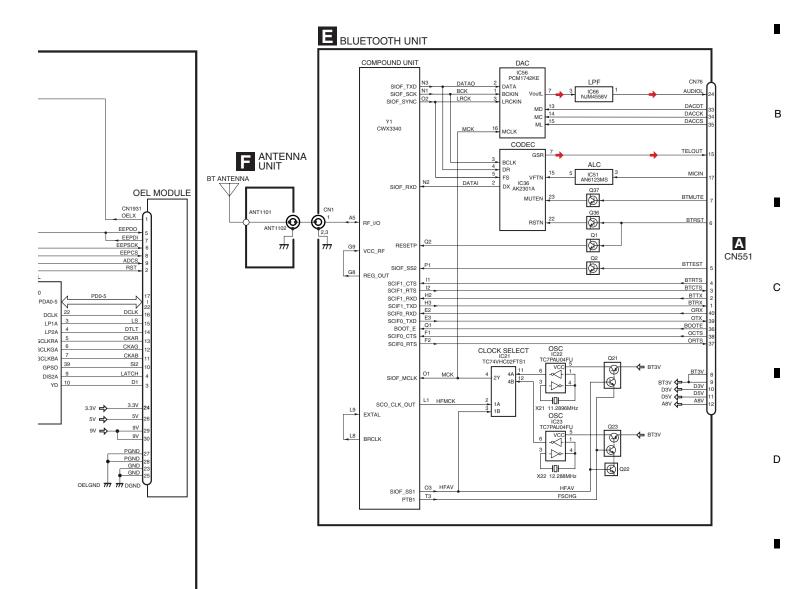
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DEH-P980BT/XN/UC

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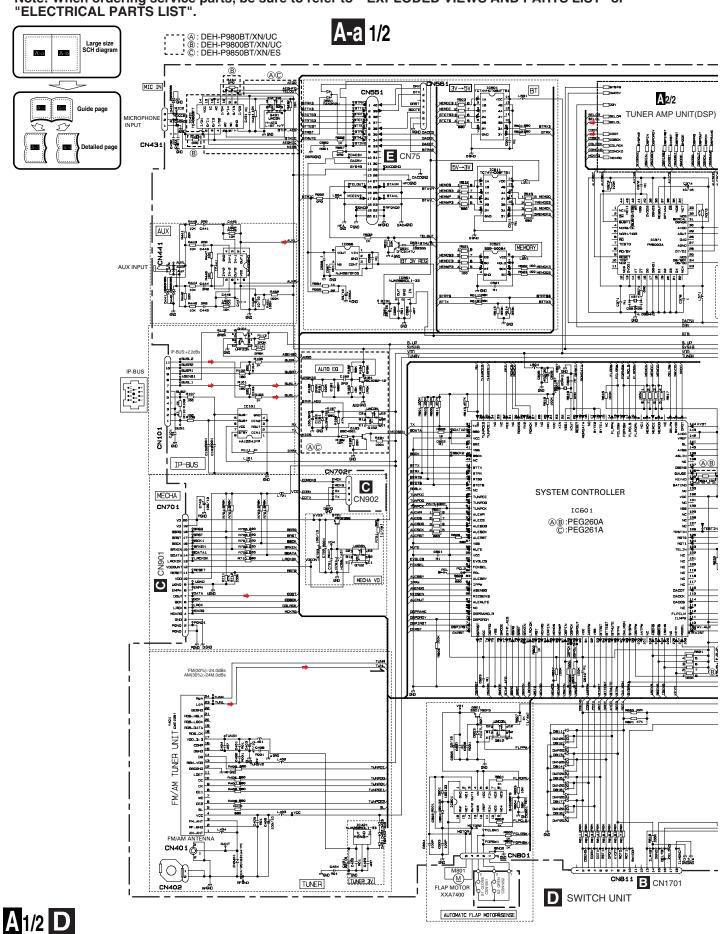
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3.2 OVERALL CONNECTION DIAGRAM(GUIDE PAGE)

Note: When ordering service parts, be sure to refer to "EXPLODED VIEWS AND PARTS LIST" or



DEH-P980BT/XN/UC

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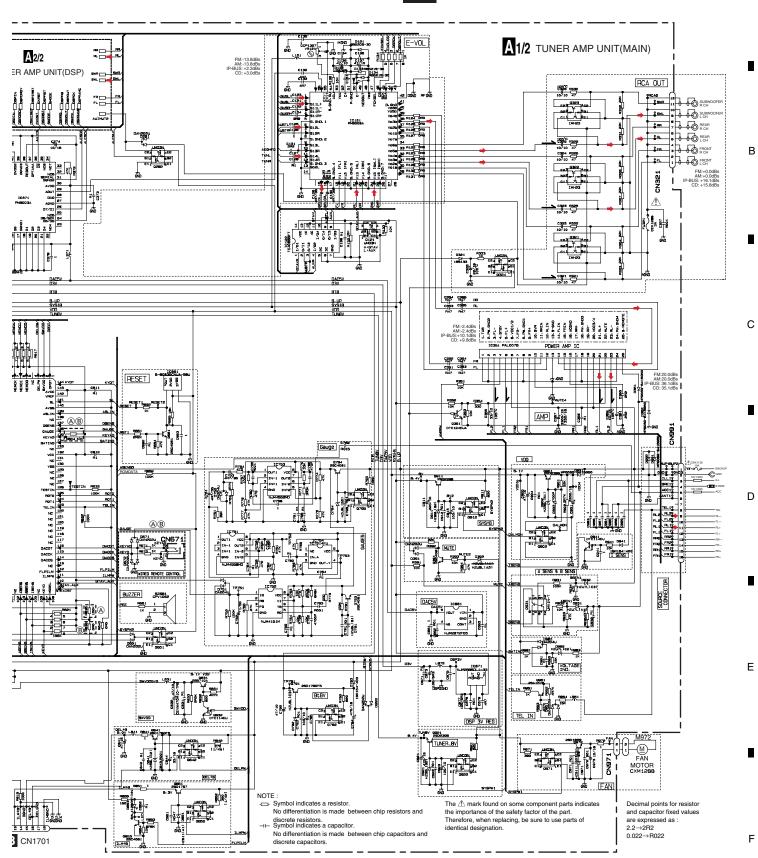
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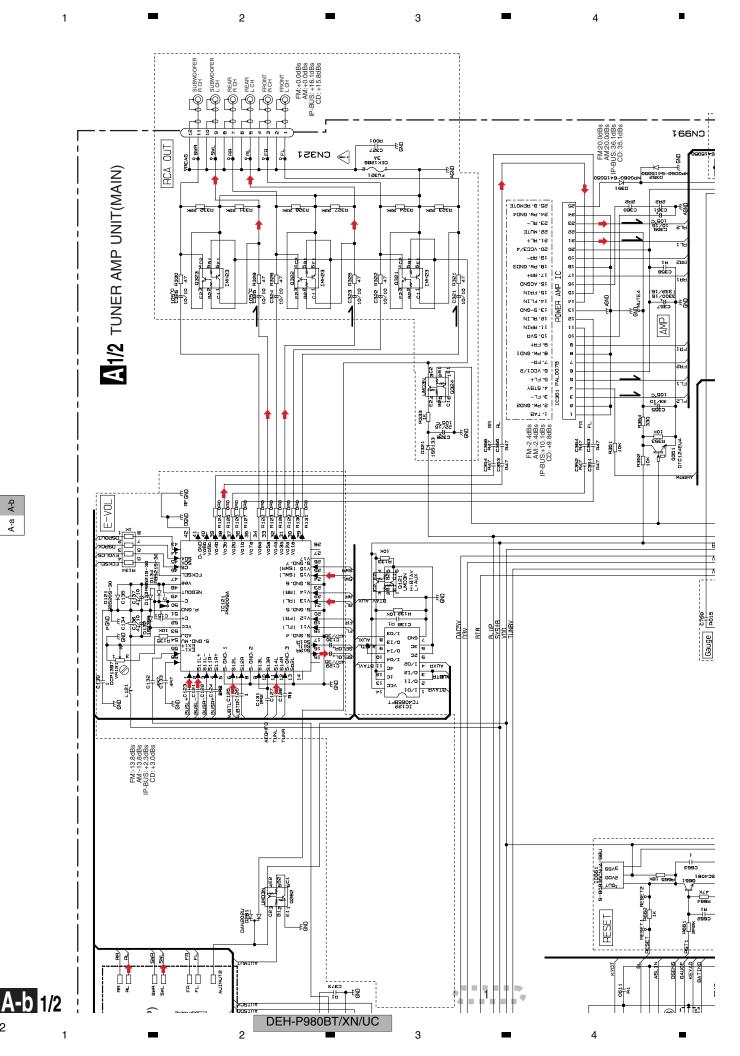


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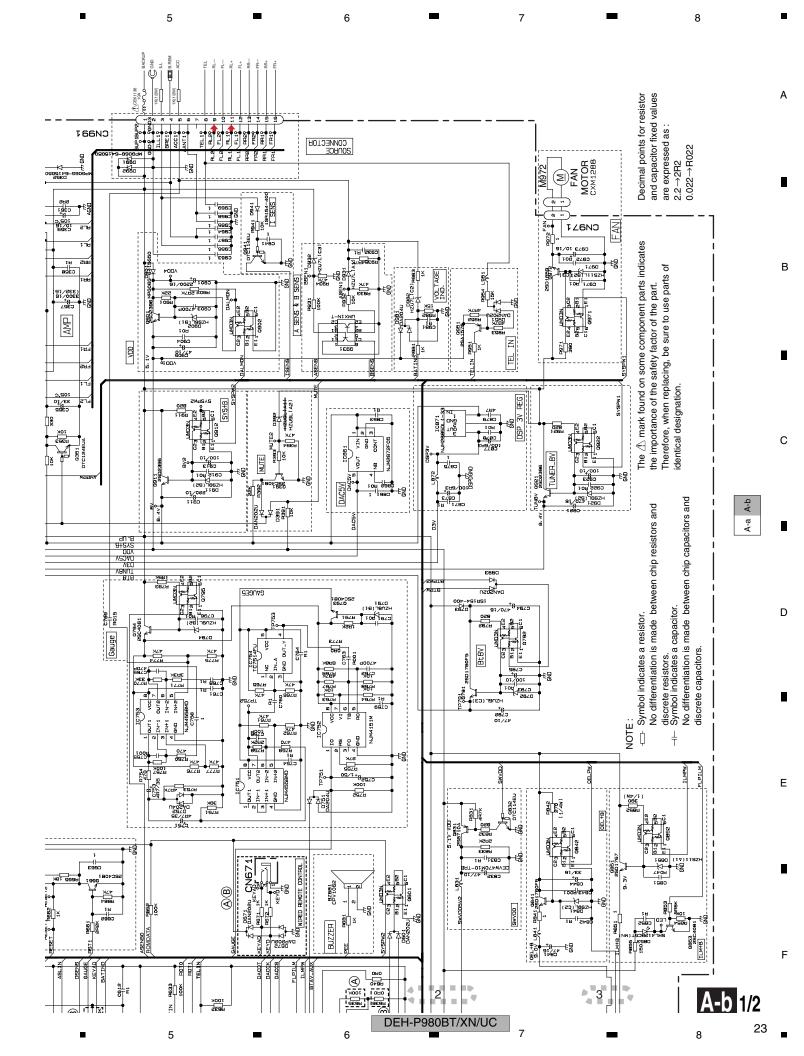


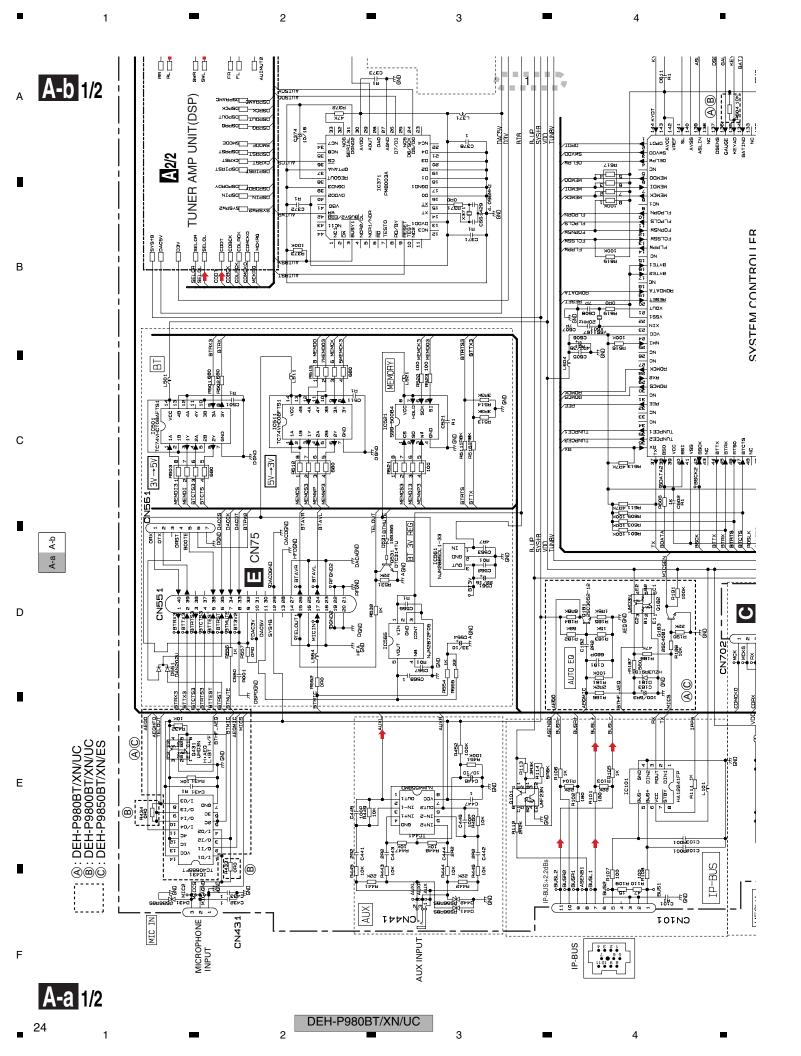
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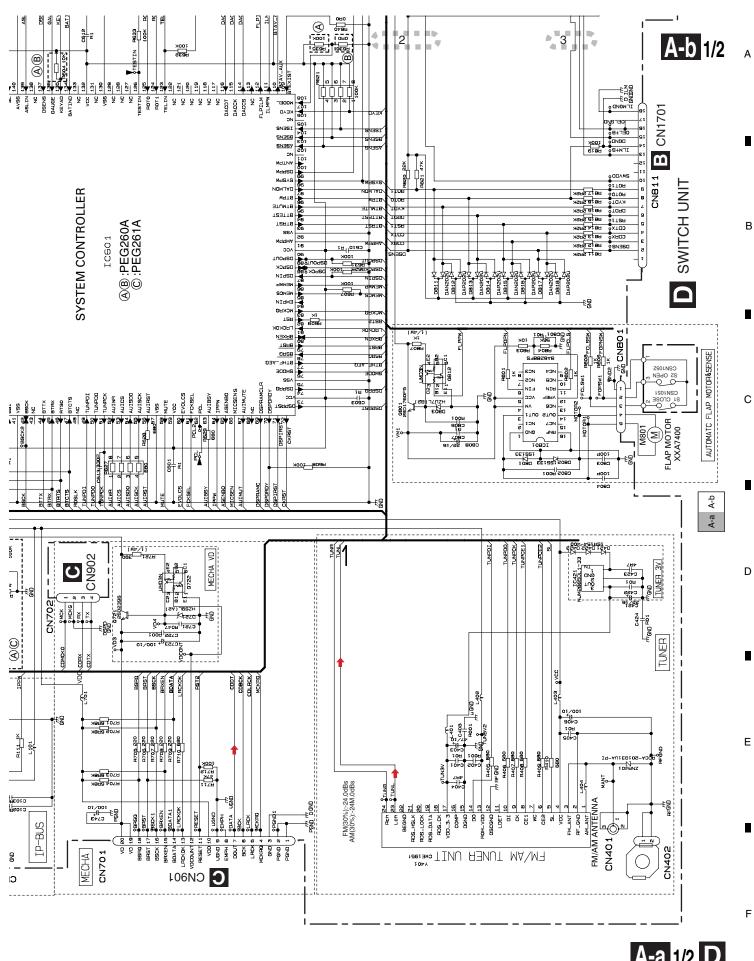
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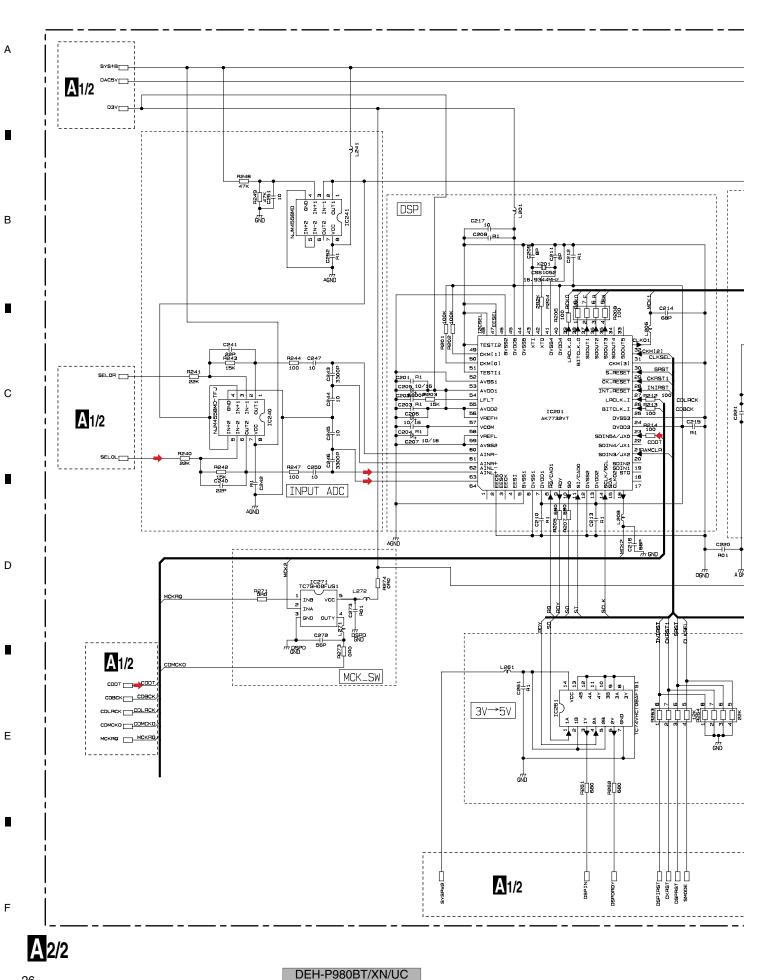


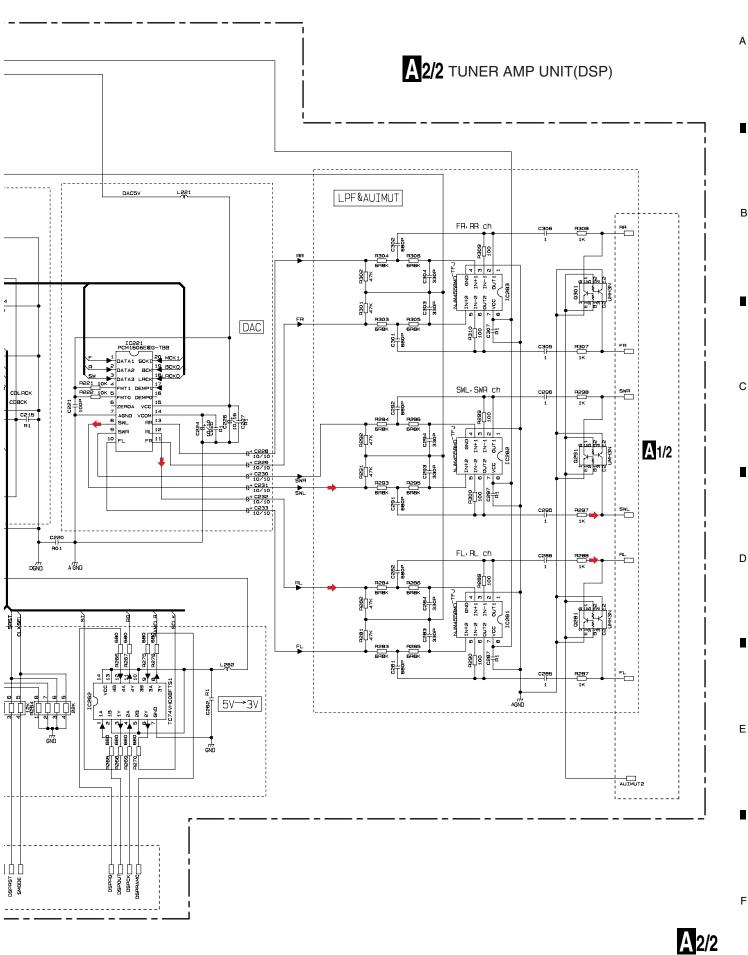


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DEH-P980BT/XN/UC

3.3 TUNER AMP UNIT(DSP)





DEH-P980BT/XN/UC

3.4 KEYBOARD UNIT

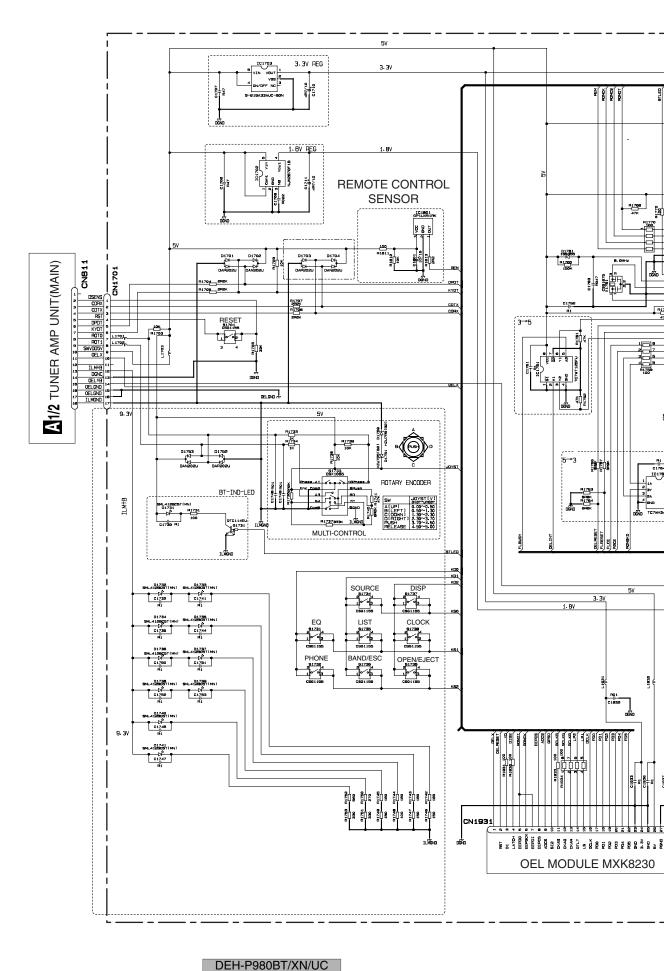
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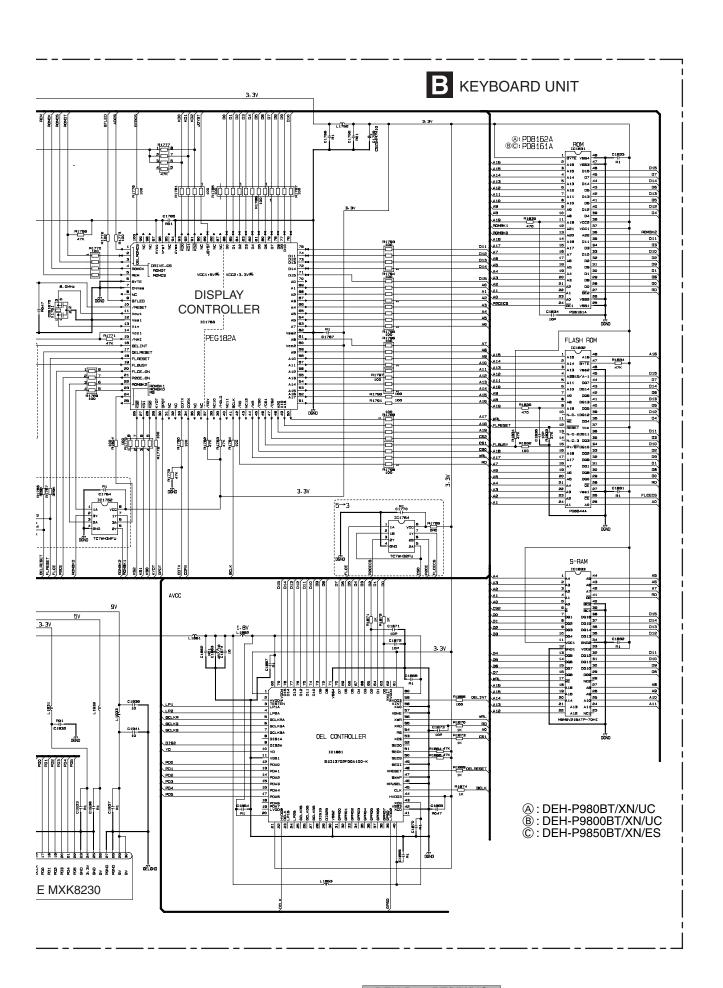


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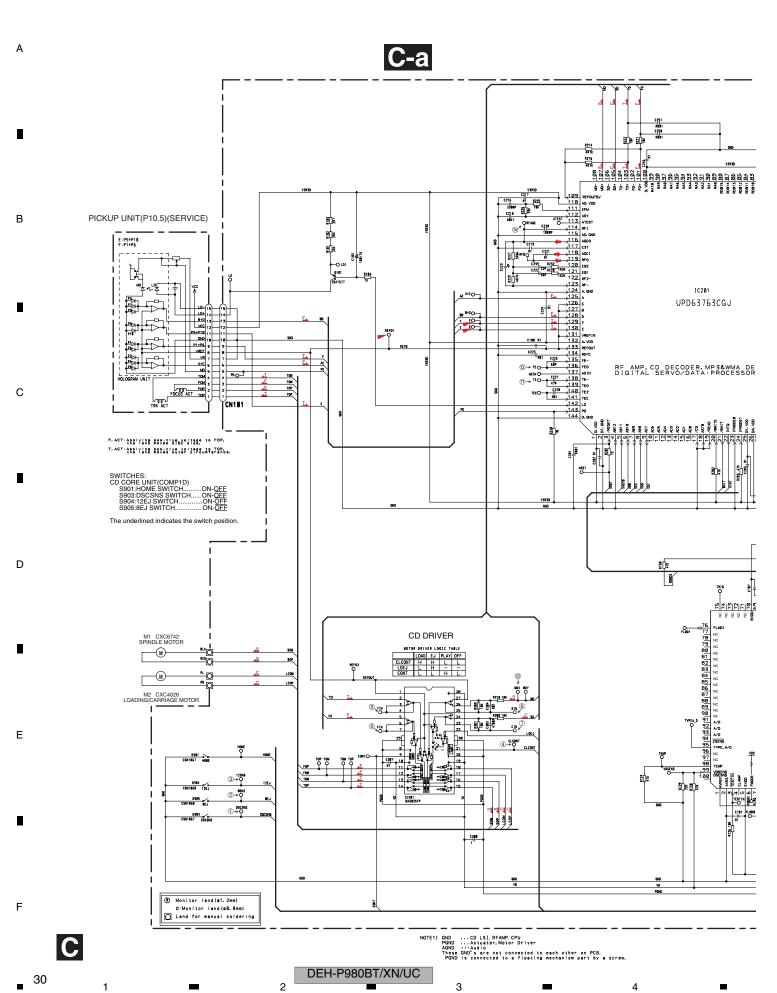
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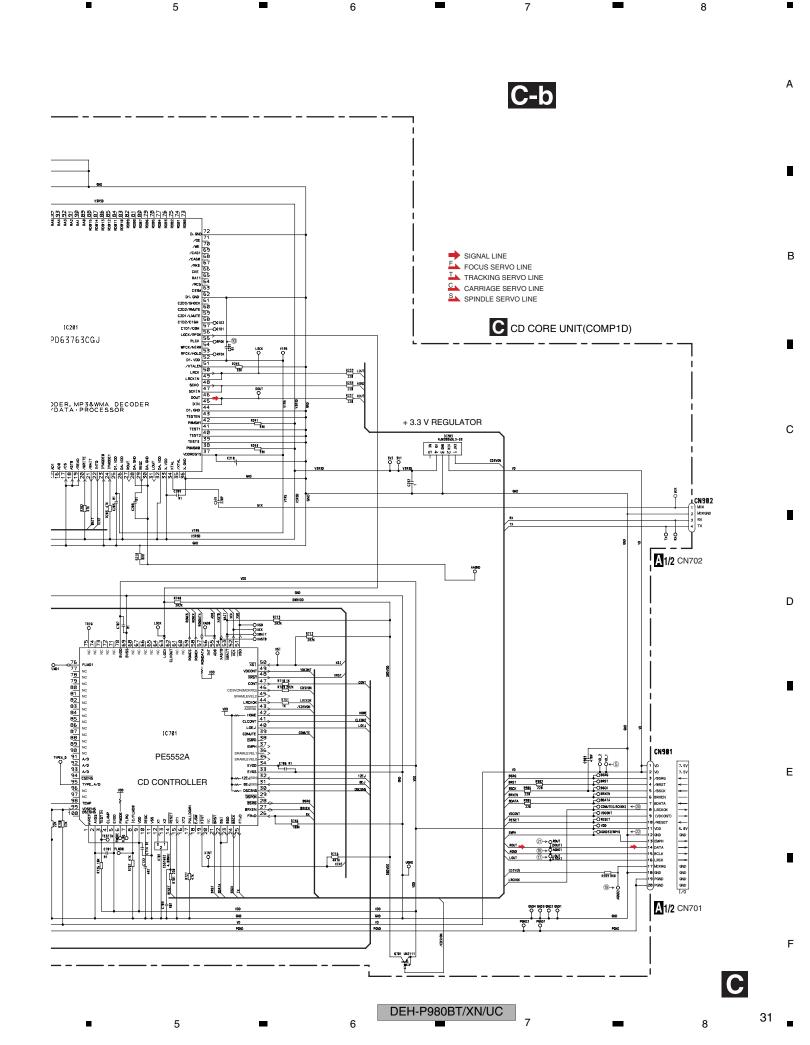
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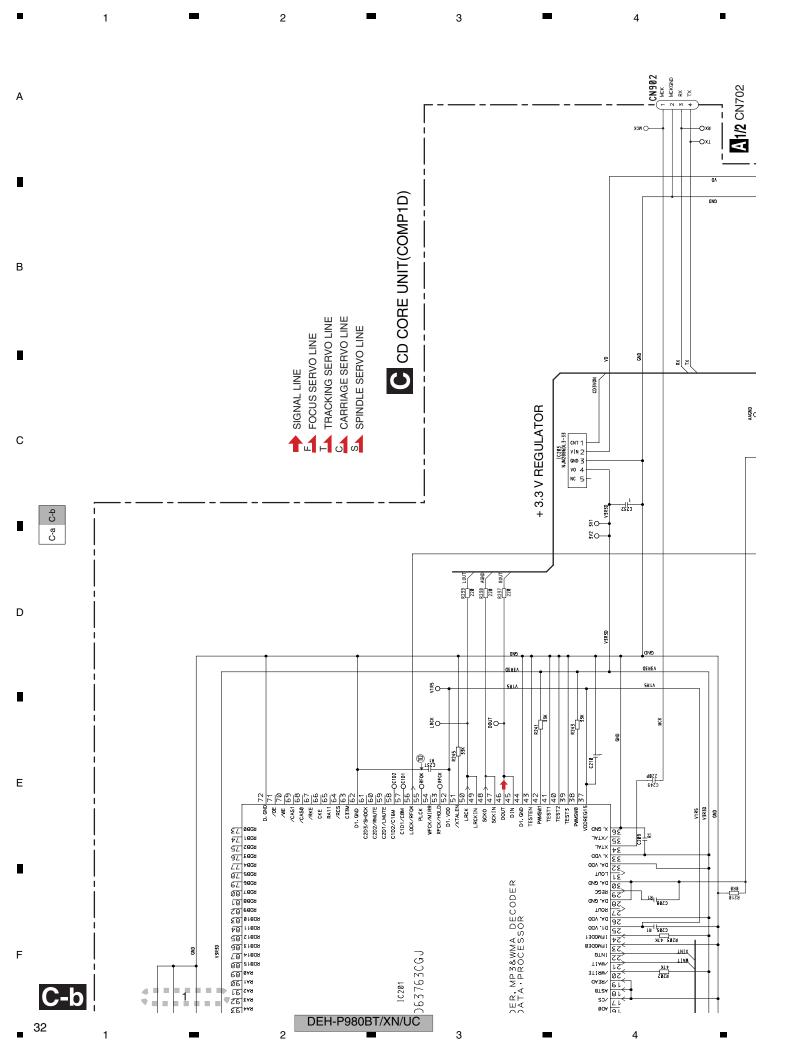
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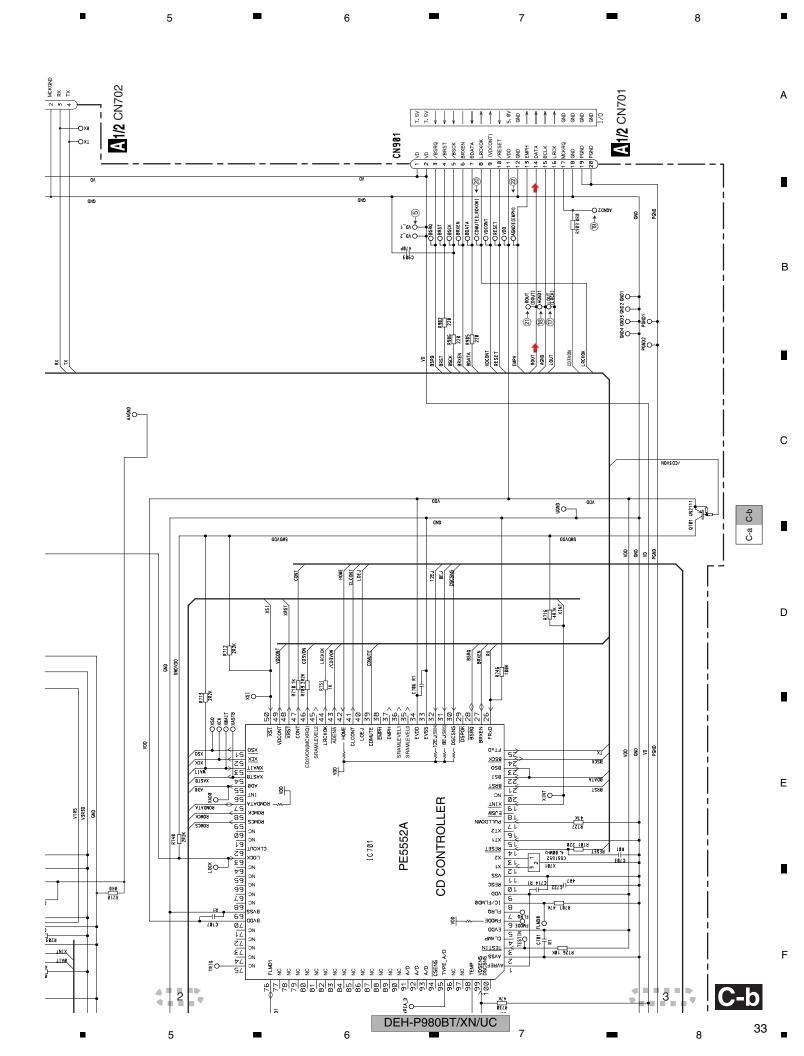
DEH-P980BT/XN/UC

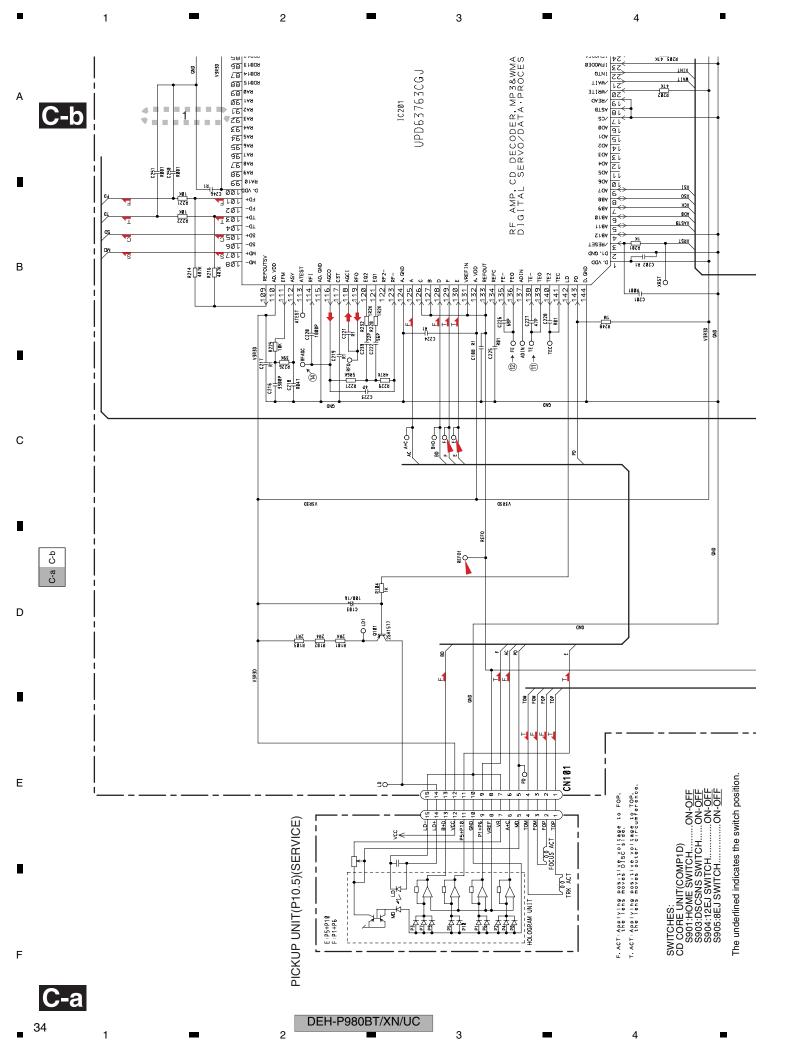
3.5 CD CORE UNIT(COMP1D)(GUIDE PAGE)

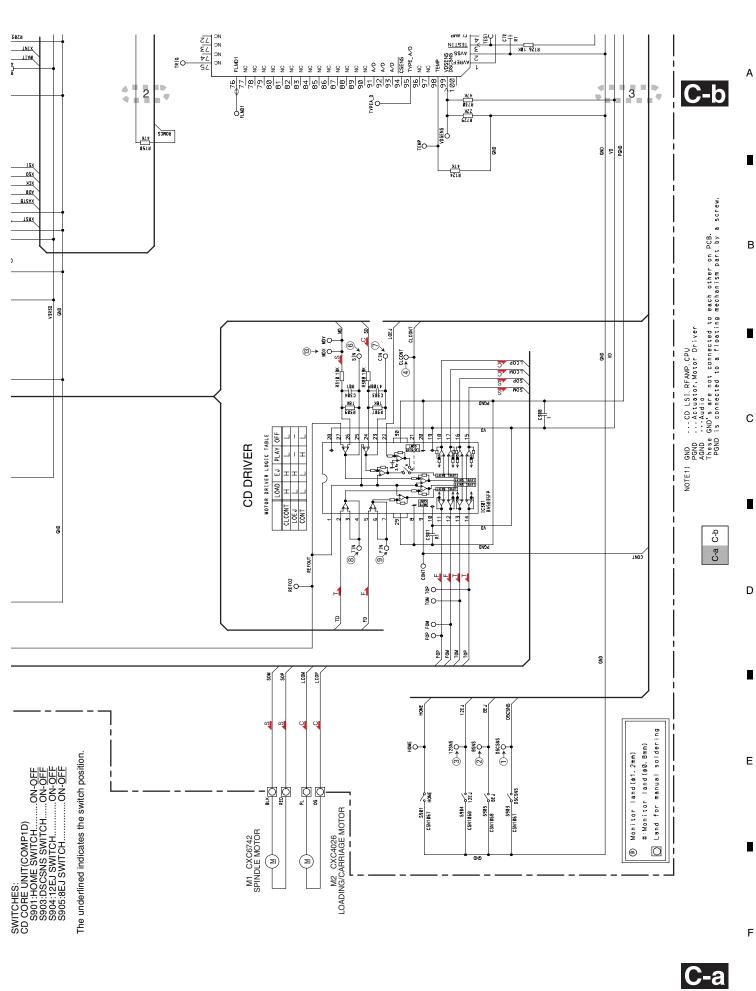












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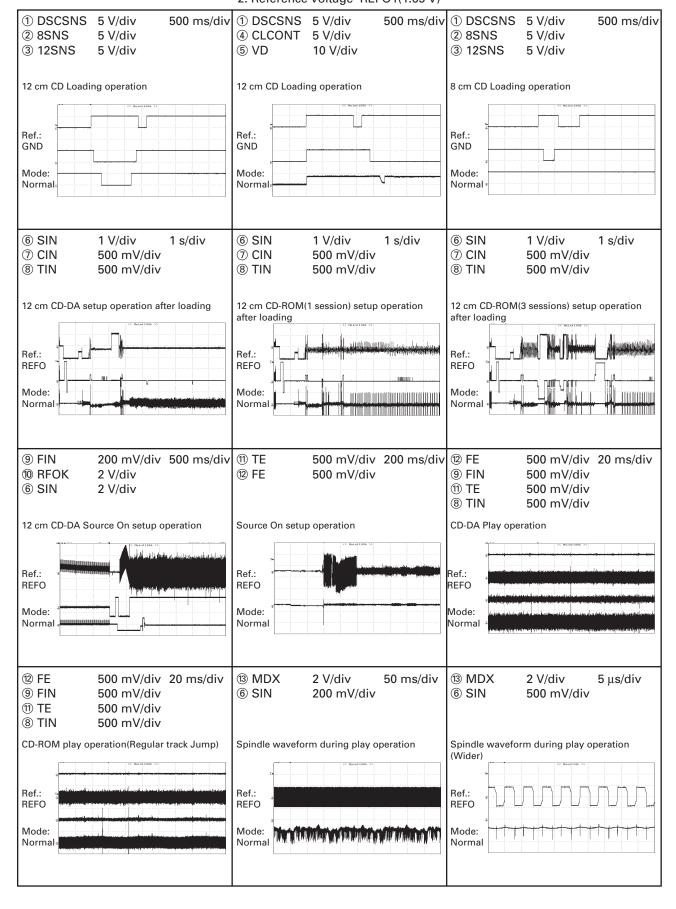
Waveforms

В

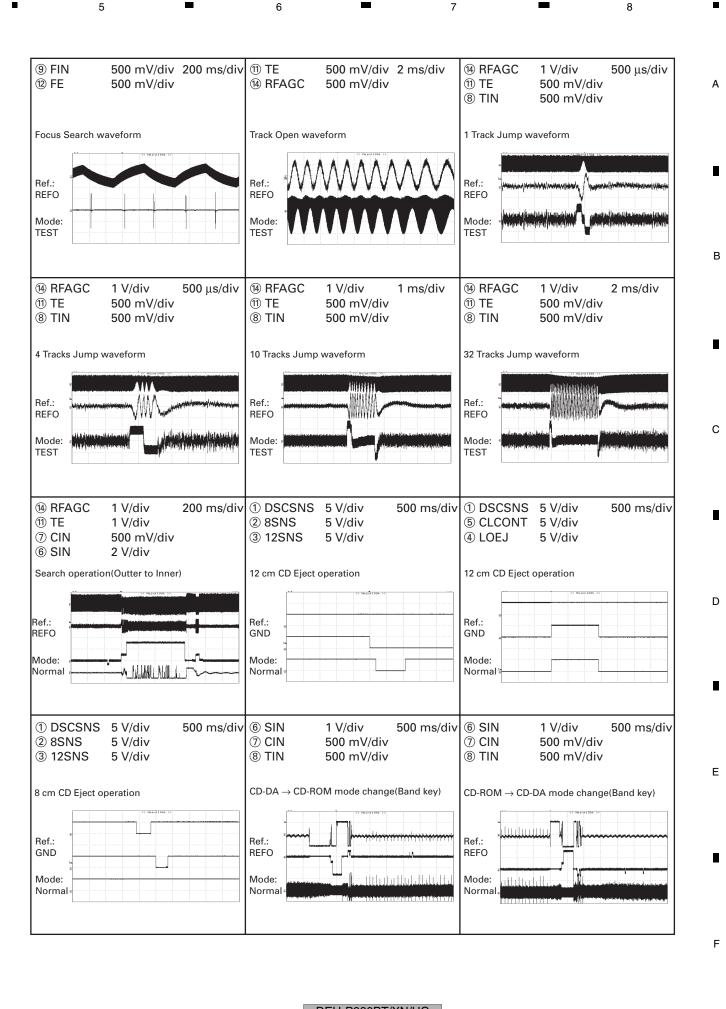
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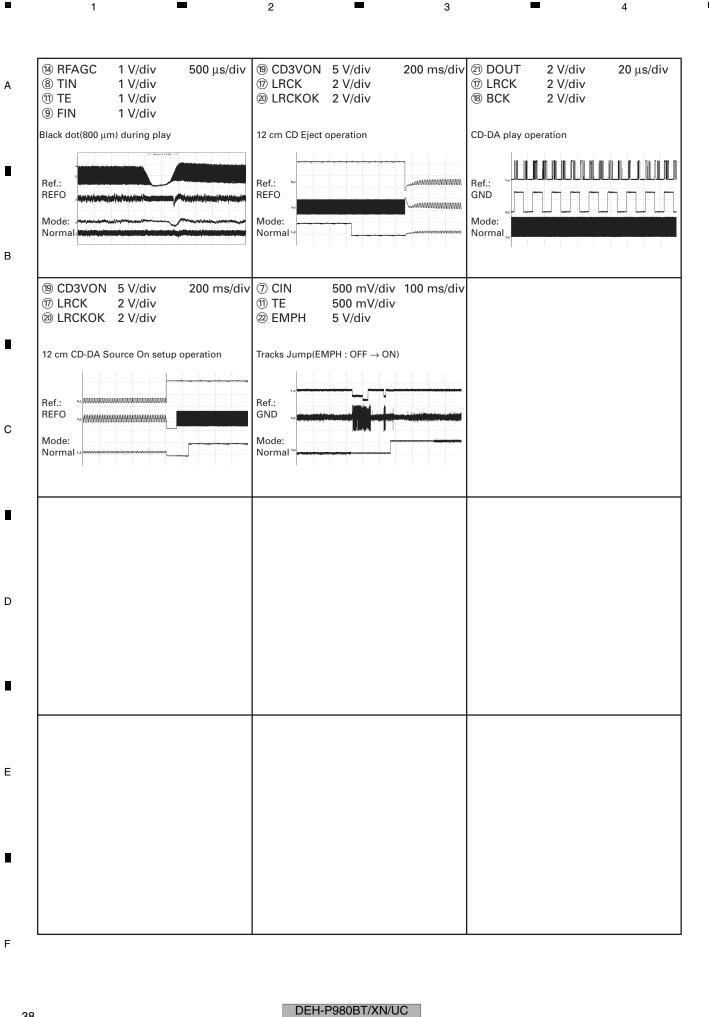
Note: 1. The encircled numbers denote measuring points in the circuit diagram. 2. Reference voltage REFO1(1.65 V)



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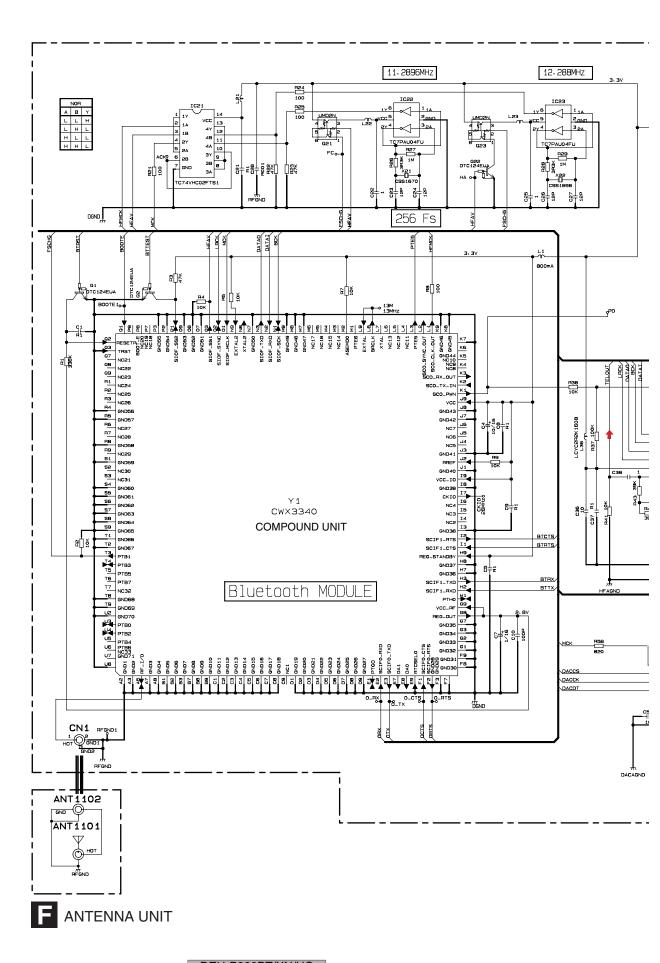
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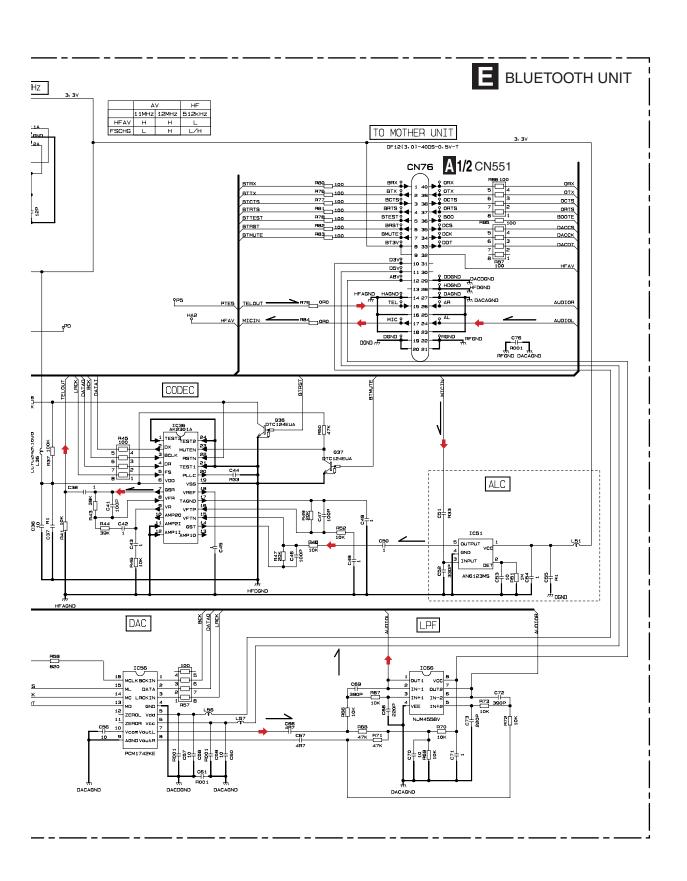
DEH-P980BT/XN/UC

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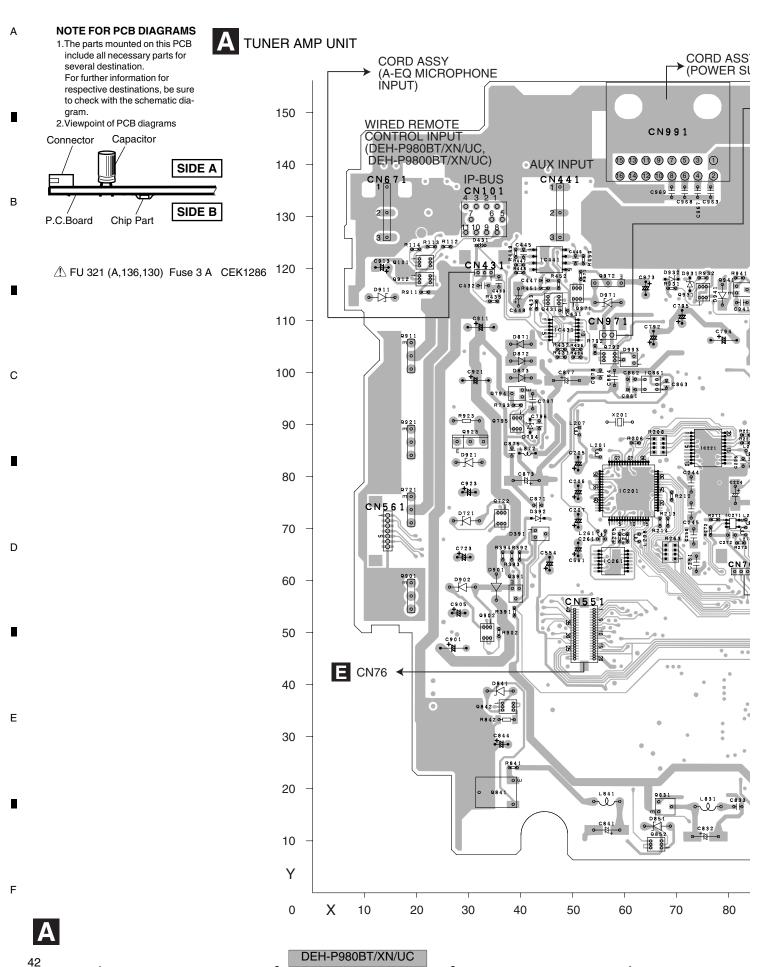
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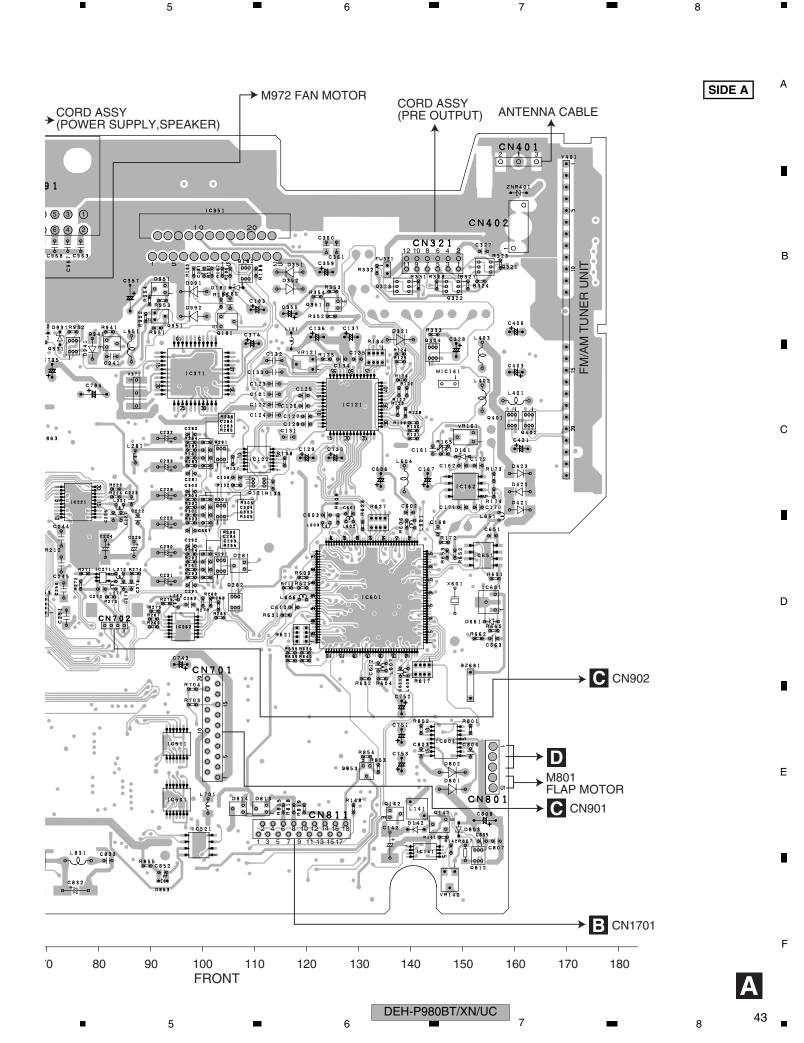
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DEH-P980BT/XN/UC

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4. PCB CONNECTION DIAGRAM 4.1 TUNER AMP UNIT





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DEH-P980BT/XN/UC

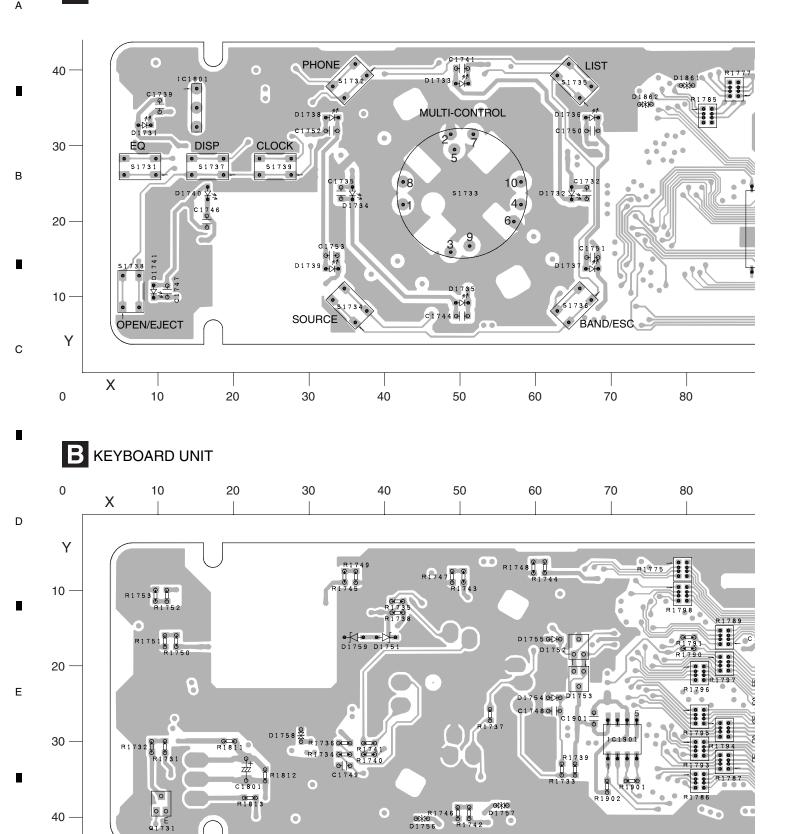
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SIDE B - 150 000000 - 140 0000000 В - 130 - 120 - 110 100 С - 90 - 80 - 70 D - 60 - 50 - 40 Ε 30 - 20 - 10 Υ 80 70 60 50 40 30 20 10 Χ 0 DEH-P980BT/XN/UC

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4.2 KEYBOARD UNIT

B KEYBOARD UNIT



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DEH-P980BT/XN/UC

SIDE A

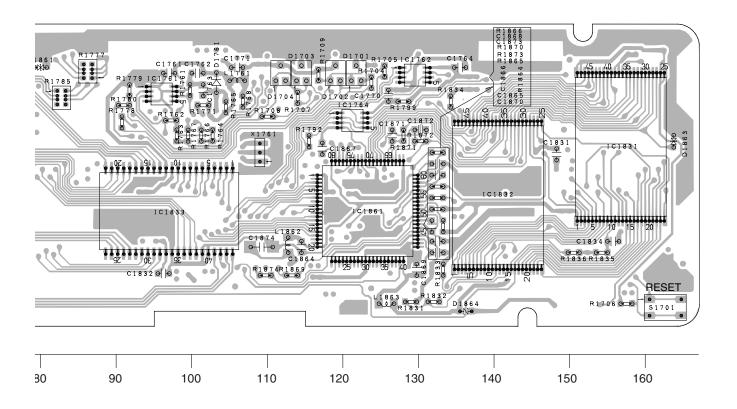
В

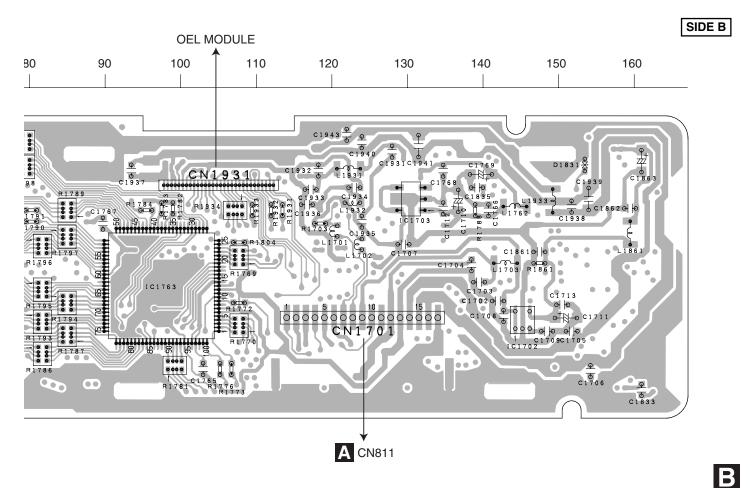
С

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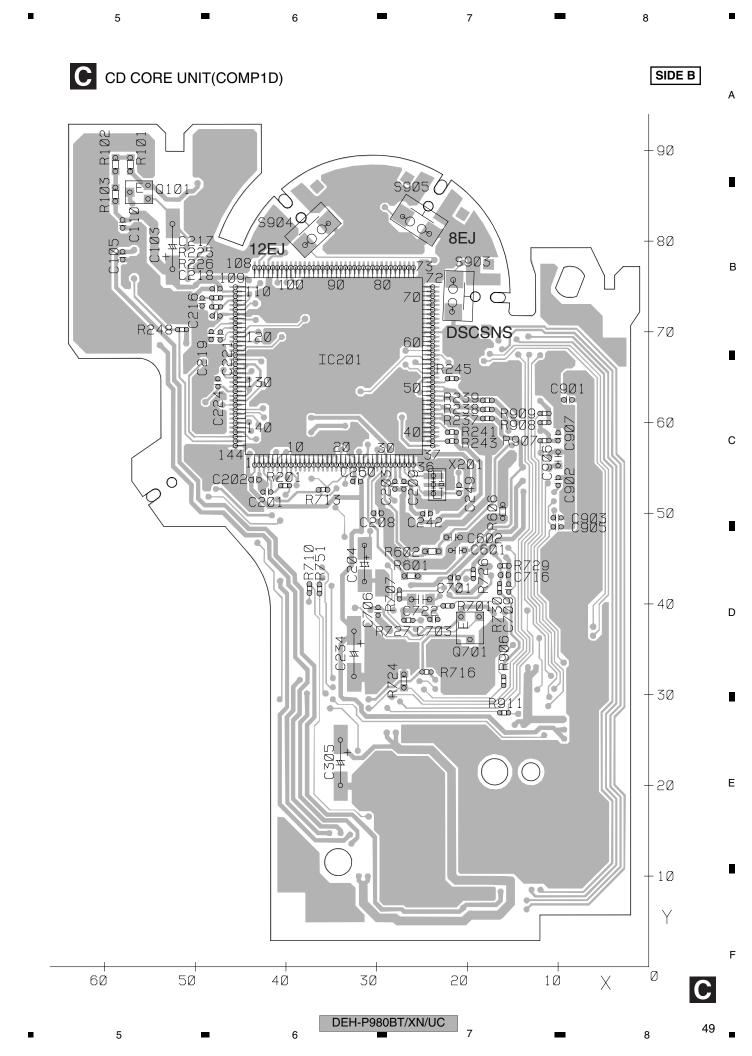


DEH-P980BT/XN/UC

4.3 CD CORE UNIT(COMP1D) C CD CORE UNIT(COMP1D) SIDE A PICKUP UNIT(P10.5)(SERVICE) Α CN702 90 A 0 CN701 8Ø С250 м ю 8 8 8 4 C2208 4 C2208 4 C235 REFOIL R229 8 C222 8 O C 000 000 000 4 7Ø 150 60 **6**5901 80 HOME 50 CN901 40 ∞ R746 ∞ R7Ø9 30 M2 LOADING /CARRIAGE MOTOR M1 SPINDLE MOTOR 20 IC203 10 Ø 20 50 10 30 40 60 Χ

DEH-P980BT/XN/UC

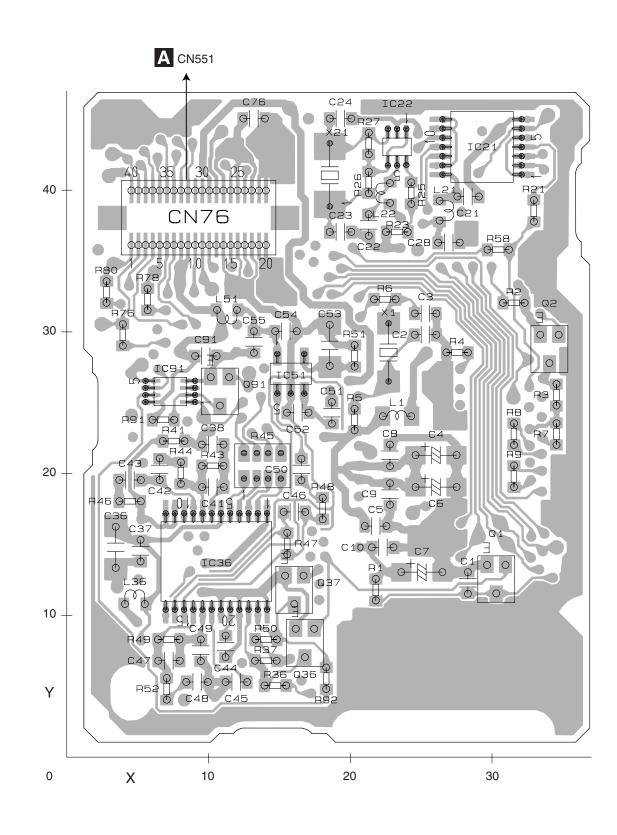
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4.4 BLUETOOTH UNIT

E BLUETOOTH UNIT

SIDE A



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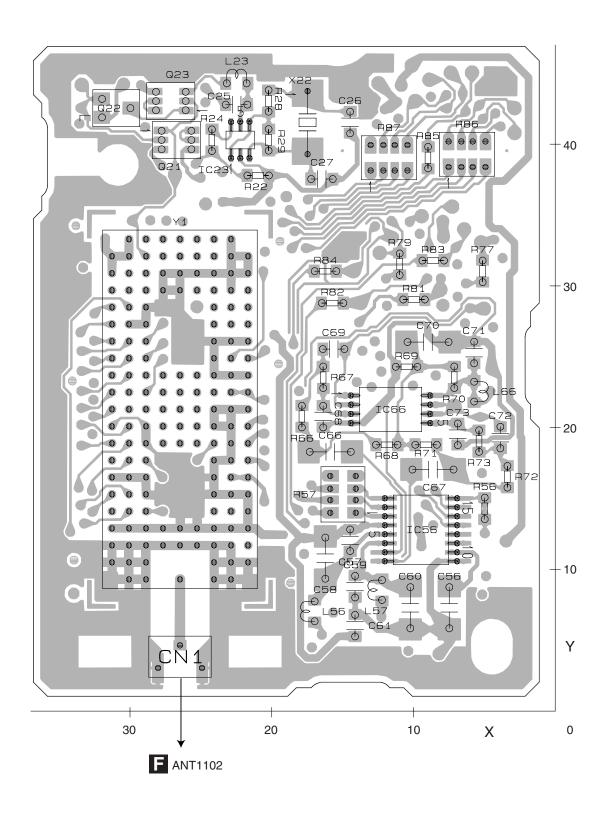
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4.5 ANTENNA UNIT

ANTENNA UNIT

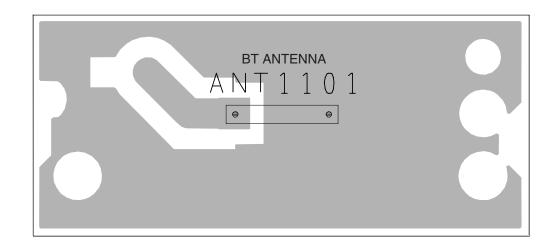
SIDE A

ANT1102

E CN1

F ANTENNA UNIT

SIDE B

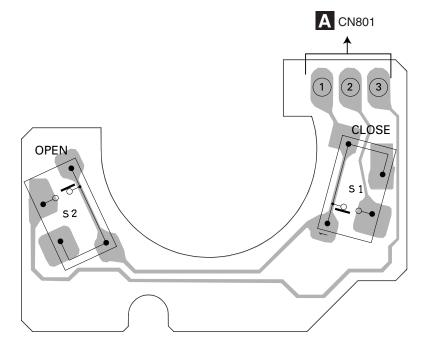


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DEH-P980BT/XN/UC

D SWITCH UNIT



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NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor

 $RS1/\bigcirc S\bigcirc\bigcirc\bigcirc J,RS1/\bigcirc\bigcirc S\bigcirc\bigcirc\bigcirc J$

Chip Capacitor (except for CQS.....)

CKS....., CCS....., CSZS.....

- The A mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Meaning of the figures and others in the parentheses in the parts list.

Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.

IC 301 (A, 91, 111) IC NJM2068V

| | <u>Circuit Sym</u> Unit Number: | | Part No | <u>o.</u> | Cir Q 36 | cuit Symbol and No. (A,17,8) Transistor | Part No. DTC124EUA | |
|---|------------------------------------|------------------|----------------------|-------------|--------------------|---|----------------------------|--|
| | | _ | | | Q 37 | (A,16,12) Transistor | DTC124EUA | |
| | Unit Name : | Bluetooth | Unit | | L 1 | (A,23,24) Inductor | CTF1394 | |
| | Unit Number: | CWN1436(I | DEH-P980E | BT/XN/UC) | L 21 | (A,26,39) Inductor | CTF1379 | |
| | | • | | , | L 22 | (A,23,40) Inductor | CTF1379 | |
| С | Unit Name : | Tuner Amp | Unit | | L 23 | (B,23,44) Inductor | CTF1379 | |
| | Unit Number: | CWN1437(I | DEH-P9800 | BT/XN/UC) | L 36 L 51 | (A,5,11) Inductor (A,11,32) Inductor | LCYC2R2K1608 CTF1379 | |
| | Unit Name : | Tuner Amp | Unit | | | • | | |
| | Unit Number: | - | | DT/VN/FO) | L 56 L 57 | (B,17,7) Inductor (B,12,9) Inductor | CTF1379 CTF1379 | |
| | Offic Number: | CWN 1430(I | JEH-P9850 | B I/XN/E2) | X 21 | (A,19,41)Resonator 11.28 | | |
| | Unit Name : | Tuner Amp | Unit | | X 22 | (B,18,42) Resonator 12.2 | | |
| | Unit Number: | • | | | Y 1 | (B,27,21) Compound Unit CWX3340 | | |
| | Unit Name : | Keyboard I | lni+ | | RESIST | ORS | | |
| | | - | Jill | | | | | |
| _ | Unit Number: | CWX3328 | | | R 1 | (A,22,12) | RS1/16S334J | |
| D | Unit Name : | CD Core U | nit/COM | D1D) | R 2 R 3 | (A,32,32) (A,35,26) | RS1/16S103J RS1/16S473J | |
| | | | int(CON | (U) | R 4 | (A,28,29) | RS1/16S103J | |
| | Unit Number: CWS1389 | | | | R 5 | (A,20,24) | RS1/16S103J | |
| | Unit Name : | Switch Uni | t | | R 6 | (A 00 00) | DC1/16C0D0 I | |
| _ | | | | | R 7 | (A,22,32) (A,35,23) | RS1/16S0R0J RS1/16S103J | |
| | | | | | R 8 | (A,32,23) | RS1/16S101J | |
| | | | | | R 9 | (A,32,20) | RS1/16S103J | |
| | | | | | R 21 | (A,33,39) | RS1/16S101J | |
| | Unit Number: | CWN1771 | | | D 00 | (D.01.00) | DC1/16C470 I | |
| | Unit Name : | Bluetooth | Unit | | R 22 R 23 | (B,21,38) (A,23,37) | RS1/16S473J RS1/16S473J | |
| E | | | | | R 24 | (B,24,40) | RS1/16S101J | |
| | MISCELLANEOU: | S | | | R 25 | (A,24,40) | RS1/16S101J | |
| | | | | | R 26 | (A,21,41) | RS1/16S332J | |
| | IC 21 (A,29,43 | , | TC74VHC | | R 27 | (A,21,43) | RS1/16S105J | |
| | IC 22 (A,23,43 IC 23 (B,22,40 | | TC7PAU04 | | R 28 | (B,20,43) | RS1/16S332J | |
| | IC 36 (A,11,14 | , | AK2301A | 1 0 | R 29 | (B,20,40) | RS1/16S105J | |
| _ | IC 51 (A,16,27 | , | AN6123M | 3 | R 36 | (A,15,5) | RS1/16S103J | |
| | • | , | | | R 37 | (A,14,7) | RS1/16S104J | |
| | IC 56 (B,10,13 IC 66 (B,12,21 | | PCM1742I NJM4558\ | | R 41 | (A,8,22) | RS1/16S103J | |
| | | Transistor | DTC124El | | R 43 | (A,10,21) | RS1/16S393J | |
| _ | • • • |) Transistor | DTC124EU | | R 44 | (A,8,20) | RS1/16S393J | |
| F | • |) Transistor | UMD2N | | R 45 | (A,14,21) | RAB4C101J | |
| | | | | | R 46 | (A,4,18) | RS1/16S103J | |
| | ` ' ' |) Transistor | DTC124EU | JA | R 47 | (A,16,15) | RS1/16S203J | |
| | Q 23 (B,27,43 |) Transistor | UMD2N | DELL BOSSET | | (A, 10, 10 <i>)</i> | 1101/1002000 | |
| | 54 | | | DEH-P980BT/ | XIN/UC | | | |

| • | 5 | 6 | - | | 7 | 8 | |
|----------|---|-----------------|--------|-------------|------------------------|-------------------|---|
| | Circuit Symbol and No. | Part No. | | Circ | uit Symbol and No. | Part No. | |
| R 48 | B (A,18,18) | RS1/16S103J | C : | 53 | (A,19,29) | CKSYB106K6R3 | |
| R 49 | , , , | RS1/16S203J | C | | (A,15,30) | CKSRYB105K10 | |
| R 50 | | RS1/16S473J | C | | (A,13,29) | CKSRYB104K16 | |
| | , , , , | | | | | | Α |
| R 5 | 1 (A,20,28) | RS1/16S105J | C : | | (B,8,7) | CKSYB106K6R3 | А |
| _ | | | C | 57 | (B,15,12) | CKSRYB102K50 | |
| R 52 | , | RS1/16S103J | | | | | |
| R 5 | 7 (B,15,15) | RAB4C101J | C : | 58 | (B,16,11) | CKSYB106K6R3 | |
| R 58 | 3 (A,30,36) | RS1/16S821J | C | 59 | (B,14,9) | CKSRYB102K50 | |
| R 60 | | RS1/16S103J | C | | (B,10,7) | CKSYB106K6R3 | |
| R 6 | • • • • | RS1/16S103J | C | | (B,14,6) | CKSRYB102K50 | _ |
| | (=,::0,=:) | 1101/1001000 | C | | (B,16,18) | CKSYB475K16 | |
| R 68 | B (B,12,19) | RS1/16S473J | 0 , | 50 | (B, 10, 10) | 01010473110 | |
| | | | 0 | ~7 | (D 0 17) | OKOVD 475K40 | |
| R 69 | , | RS1/16S103J | C | | (B,9,17) | CKSYB475K16 | |
| R 70 | · · · · · · · · · · · · · · · · · · · | RS1/16S103J | C | | (B,16,21) | CCSRCH221J50 | |
| R 7 | · · · · · · · · · · · · · · · · · · · | RS1/16S473J | C | | (B,16,26) | CCSRCH391J50 | |
| R 72 | 2 (B,3,17) | RS1/16S103J | C. | 70 | (B,9,26) | CKSYB106K6R3 | |
| | | | C . | 71 | (B,6,25) | CKSRYB105K10 | В |
| R 73 | 3 (B,5,19) | RS1/16S103J | | | , | | |
| R 76 | | RS1/16S101J | C · | 72 | (B,4,19) | CCSRCH391J50 | |
| R 7 | | RS1/16S101J | Ċ. | | (B,7,20) | CCSRCH221J50 | |
| | | | | | | | |
| R 78 | , , , , | RS1/16S101J | C. | 76 | (A,13,45) | CKSRYB102K50 | |
| R 79 | 9 (B,11,32) | RS1/16S0R0J | | _ | | | |
| | | | Α | | | | |
| R 80 | O (A,3,33) | RS1/16S101J | | | | | _ |
| R 8 | 1 (B,10,29) | RS1/16S101J | Ur | it Nur | mber: CWN1436(ı | DEH-P980BT/XN/UC) | |
| R 82 | 2 (B,16,29) | RS1/16S101J | | | - | | |
| R 83 | (' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' | RS1/16S101J | Ur | it Nar | me : Tuner Amp | Unit | |
| R 84 | * ' ' | RS1/16S0R0J | | | | | |
| 11 0- | (5,10,01) | 1101/10001100 | MIS | SCELL | <u>ANEOUS</u> | | |
| D 0/ | (D.O.20) | DC1/16C101 I | | | | | С |
| R 8 | • • • • | RS1/16S101J | IC | 101 | (P.21.140) IC | HA10041EB | Ŭ |
| R 86 | (, , , | RAB4C101J | | | (B,31,140) IC | HA12241FP | |
| R 87 | 7 (B,12,39) | RAB4C101J | IC 1 | | (A,129,104) IC | PM9009A | |
| | | | | 122 | (A,111,94) IC | TC4066BFT | |
| CAF | PACITORS | | IC : | 201 | (A,61,77) IC | AK7732VT | |
| <u> </u> | 710110110 | | IC: | 221 | (A,76,86) IC | PCM1606EG | |
| C 1 | (A 00 10) | CKSRYB104K16 | | | | | _ |
| C 1 | (A,28,12) | | IC: | 240 | (B,75,96) IC | NJM4558MD | |
| C 4 | (A,26,21) | CSZS100M16 | IC: | | (B,78,53) IC | NJM4558MD | |
| C 5 | (A,22,16) | CKSRYB104K16 | | | | | |
| C 7 | (A,25,13) | CSZS1R0M16 | IC : | | (A,58,64) IC | TC74VHCT08AFTS1 | |
| C 8 | (A,23,21) | CKSRYB104K16 | | 262 | (A,96,62) IC | TC74VHC08FTS1 | |
| | | | IC : | 271 | (A,81,71) IC | TC7SH08FUS1 | |
| C 9 | (A,23,19) | CKSRYB104K16 | | | | | |
| C 10 | | CCSRCH101J50 | IC: | 281 | (B,96,96) IC | NJM4558MD | D |
| | | CKSRYB104K16 | IC: | 282 | (B,96,74) IC | NJM4558MD | |
| C 2 | | | | 283 | (B,95,85) IC | NJM4558MD | |
| C 22 | | CKSRYB105K10 | IC: | | (A,102,139) IC | PAL007B | |
| C 23 | 3 (A,19,37) | CCSRCH120J50 | | | (A,99,110) IC | | |
| | | | 10. | 371 | (A,99,110) IC | PM8003A | |
| C 24 | 4 (A,19,45) | CCSRCH120J50 | | | | | |
| C 2 | 5 (B,23,43) | CKSRYB105K10 | IC 4 | | (B,160,88) IC | NJM2885DL1-33 | |
| C 26 | | CCSRCH120J50 | IC 4 | 431 | (A,48,108) IC | TC4066BFT | |
| C 2 | | CCSRCH120J50 | IC 4 | 441 | (A,46,122) IC | NJM4558MD | |
| C 28 | | CKSRYB102K50 | IC : | 501 | (A,95,28) IC | TC74VHCT08AFTS1 | |
| U 20 | 3 (A,27,36) | OROTTI D TUZNOU | | 511 | (A,95,39) IC | TC74VHC08FTS1 | |
| ~ ~ | (4.0.45) | OKOVDAOOKODO | | | , - | · - · | |
| C 36 | * * * / | CKSYB106K6R3 | IC : | 501 | (A,99,20) IC | S99-50084 | |
| C 3 | , , , | CKSRYB104K16 | | | | | Ε |
| C 38 | 3 (A,10,22) | CKSRYB105K10 | | 561 | (B,65,38) IC | NJM2885DL1-33 | |
| C 4 | 1 (A,10,19) | CCSRCH101J50 | | 566 | (B,50,39) IC | NJM2872F05 | |
| C 42 | 2 (A,7,20) | CKSRYB105K10 | IC (| | (A,133,67) IC | PEG260A | |
| | (, , , | | IC (| 661 | (A,155,66) IC | S-80835CNUA-B8U | |
| C 43 | 3 (A,4,20) | CKSRYB105K10 | | | | | |
| C 4 | * * * / | CKSRYB334K10 | IC : | 751 | (B,112,34) IC | NJM4558MD | |
| | , | | | 752 | (B,126,47) IC | NJM4151M | |
| C 4 | , , , , | CKSRYB105K10 | | 753 | (B,127,34) IC | NJM4558MD | _ |
| C 40 | , | CCSRCH101J50 | | 754 | (B,113,51) IC | TC7S14FU | |
| C 4 | 7 (A,7,7) | CCSRCH101J50 | | | | | |
| | | | IC 8 | 301 | (A,147,40) IC | BA6288FS | |
| C 48 | B (A,9,5) | CKSRYB105K10 | | | /A == ==\ := | | |
| C 49 | , | CKSRYB105K10 | | 361 | (A,65,98) IC | NJM2872F05 | |
| C 50 | , | CKSRYB105K10 | IC 8 | 371 | (B,57,99) IC | NJM2885DL1-33 | F |
| C 5 | | CKSRYB334K10 | Q | 101 | (A,22,121) Transistor | UMF23N | Г |
| | | | | 121 | (A,111,89) Transistor | UMD3N | |
| C 52 | 2 (A,16,24) | CCSRCH331J50 | | 181 | (A,105,120) Transistor | 2SC3052-12 | |
| | | | • | | (,) | | |
| | | | | | _ | | |
| | | DELL | DOODT/ | /N I /I I O | | | |

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|---|----------------|--|-----------------------|----------------|------------------------------------|-----------------------------|
| | <u>Circ</u> ı | uit Symbol and No. | Part No. | Circ | uit Symbol and No. | Part No. |
| | Q 182 | (A,108,130) Transistor | UMD3N | D 531 | (B,53,46) Diode | 1SS355 |
| | Q 183 | (B,115,93) Transistor | 2SC4081 | D 551 | (B,54,59) Diode | DAN202U |
| | Q 281 | (A,104,95) Transistor | UMH3N | D 601 | (B,121,61) Diode | DAN202U |
| Α | Q 282 | (A,106,66) Transistor | UMD3N | D 671 | (B,19,140) Diode | DAN202U |
| | Q 291 | (A,104,73) Transistor | UMH3N | D 672 | (B,24,140) Diode | DAP202U |
| | Q 301 | (A,104,84) Transistor | UMH3N | D 721 | (A,30,72) Diode | HZS9L(A2) |
| | Q 321 | (A,154,131) Transistor | IMH23 | D 751 | (B,135,51) Diode Network | DA204U |
| | Q 322 | (A,148,127) Transistor | IMH23 | D 752 | (B,126,39) Diode Network | DA204U |
| | Q 323 | (A,139,127) Transistor | IMH23 | D 791 | (B,110,73) Diode | HZU6L(B1) |
| | Q 324 | (A,144,114) Transistor | UMD3N | D 792 | (B,80,109) Diode | HZU7L(A1) |
| | Q 351 | (A,125,124) Transistor | DTC124EUA | D 793 | (B,40,107) Diode | 1SR154-400 |
| | Q 391 | (A,39,58) Transistor | 2SC4081 | D 794 | (A,42,90) Diode | HZU9L(B2) |
| | Q 431 | (A,46,114) Transistor | UMD3N | D 801 | (A,148,30) Diode | 1SS133 |
| - | Q 531 | (B,55,43) Transistor | DTC314TU | D 802 | (A,148,34) Diode | 1SS133 |
| В | Q 601 | (B,115,64) Transistor | UMD3N | D 803 | (A,149,23) Diode | HZU7L(B2) |
| | Q 661 | (B,155,56) Transistor | 2SC4081 | D 811 | (B,115,13) Diode | DAN202U |
| | Q 721 | (A,18,74) Transistor | 2SD2396 | D 812 | (B,124,13) Diode | DAP202U |
| | Q 722 | (A,36,72) Transistor | UMD3N | D 813 | (A,111,27) Diode | DAN202U |
| | Q 791 | (B,57,107) Transistor | 2SD1760F5 | D 814 | (A,107,27) Diode | DAP202U |
| | Q 792 | (A,57,103) Transistor | UMD3N | D 815 | (B,106,15) Diode | DAN202U |
| | Q 793 | (B,111,69) Transistor | 2SC4081 | D 816 | (B,106,19) Diode | DAP202U |
| | Q 794 | (A,39,96) Transistor | 2SC4081 | D 817 | (B,106,28) Diode | DAN202U |
| | Q 795 | (A,39,90) Transistor | UMD3N | D 818 | (B,106,24) Diode | DAP202U |
| | Q 801 | (B,151,22) Transistor | 2SD1760F5 | D 841 | (A,36,39) Diode | HZS9L(C2) |
| С | Q 812 | (A,153,18) Transistor | UMD3N | D 851 | (A,66,13) Diode | HZS11L(A1) |
| C | 0.004 | (A 00 47) Townsister | 0007404 | D 050 | (4.00.40) 1.55 | OMI 440DOST/MNI) |
| | Q 831 | (A,68,17) Transistor | 2SB710A | D 853 | (A,92,13) LED | SML412BC5T(MN) |
| | Q 832 Q 841 | (B,76,27) Transistor (A,34,19) Transistor | DTC114EU 2SD1760F5 | D 901 D 902 | (A,35,59) Diode (A,29,59) Diode | MPG06G-6415G50 HZS6L(B1) |
| | Q 842 | (A,38,36) Transistor | UMD3N | D 902 D 911 | (A,13,115) Diode | HZS9L(B2) |
| | Q 851 | (B,63,24) Transistor | 2SD1767 | D 921 | (A,30,83) Diode | HZS9L(B2) |
| | | | | | | |
| | Q 852 | (A,66,9) Transistor | UMD3N | D 931 | (A,73,117) Diode | HZU7L(A1) |
| | Q 853 | (A,132,34) Transistor | 2SC4081 | D 932 | (A,69,118) Diode | HZU7L(C3) |
| | Q 901 | (A,18,57) Transistor | 2SD2396 | D 941 | (A,79,115) Diode | 1SR154-400 |
| | Q 902 | (A,34,50) Transistor | UMD3N | D 951 | (A,92,127) Diode | DAN202U |
| | Q 911 | (A,18,103) Transistor | 2SD2396 | D 971 | (A,57,114) Diode | HZS11L(B2) |
| D | Q 912 | (A,22,118) Transistor | UMD3N | D 981 | (B,87,109) Diode Network | DA204U |
| | Q 921 | (A,18,87) Transistor | 2SD2396 | D 982 | (B,82,117) Diode | HZU7L(C2) |
| | Q 922 | (B,23,80) Transistor | UMD3N | D 991 | (A,98,126) Diode | MPG06G-6415G50 |
| | Q 931 | (A,75,116) Transistor | UMX1N | D 992 | (A,98,121) Diode | MPG06G-6415G50 |
| | Q 941 | (A,83,116) Transistor | DTC114EU | D 993 | (A,61,103) Diode | DAN202U |
| | Q 951 | (A,92,121) Transistor | 2SA1576 | ZNR401 | (A,161,145)Surge Protector | RCCA-201Q31UA-PI |
| _ | Q 971 | (A,51,115) Transistor | UMD3N | L 101 | (B,24,134) Inductor | LCTAW2R2J2520 |
| | Q 972 | (A,57,117) Transistor | 2SD1859 | L 121 | (A,117,117) | ATH1176 |
| | D 121 | (B,128,115) Diode | RB520S-30 | L 201 | (A,55,85) Inductor | CTF1379 |
| | D 132 | (B,124,112) Diode | 1SS355 | L 206 | (B,66,83) Inductor | CTF1389 |
| _ | D 133 | (B,124,108) Diode | RB521S-30 | L 208 | (A,63,68) Inductor | CTF1389 |
| Е | D 134 | (B,124,110) Diode | RB521S-30 | L 221 | (A,84,85) Inductor | CTF1379 |
| | D 181 | (A,107,127) Diode | HZU3R9(B1) | L 241 | (B,84,52) Inductor | CTF1389 |
| | D 281 | (A,107,73) Diode | DAN202Ù | L 261 | (A,56,70) Inductor | CTF1379 |
| | D 321 | (A,138,117) Diode | 1SS133 | L 262 | (A,95,66) Inductor | CTF1379 |
| | D 351 | (A,117,130) Diode | MPG06G-6415G50 | L 271 | (A,83,70) Inductor | CTF1389 |
| | D 352 | (A,117,127) Diode | MPG06G-6415G50 | L 272 | (A,84,72) Inductor | CTF1379 |
| | D 391 | (A,44,69) Diode | DAN202U | L 371 | (B,97,110) Inductor | CTF1379 |
| | D 392 | (A,43,72) Diode | HZU9L(A2) | L 401 | (A,160,105) Inductor | LAU1R0K |
| | D 421 | (A,161,84) Diode | 1SR154-400 | L 402 | (A,154,106) Ferri-Inductor | LAU100K |
| | D 422 | (A,161,88) Diode | 1SR154-400 | L 403 | (A,154,114) Inductor | LAU1R0K |
| _ | D 423 | (A,161,91) Diode | 1SR154-400 | L 404 | (B,167,149) Chip Coil | LCTAW4R7J2520 |
| F | D 431 | (A,32,125) Diode | RSB6R8S | L 501 | (B,95,22) Inductor | CTF1379 |
| | D 441 | (B,39,118) Diode | RSB6R8S | L 511 | (B,94,35) Inductor | CTF1379 |
| | D 442 | (B,50,121) Diode | RSB6R8S | L 521 | (B,84,23) Inductor | CTF1379 |
| | | · · · · · · · · · · · · · · · · · · · | | | | |
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|----------------|---|--------------------------|---------------|---------------------------------------|---------------|---|----|
| Circ | uit Symbol and No. | Part No. | | Circuit Symb | ool and No. P | art No. | |
| L 554 | (B,60,45) Inductor | CTF1389 | R 2 | 05 (A,59,68) | RS | 1/16S681J | |
| L 604 | (A,139,90) Ferri-Inductor | LAU100K | R 2 | | | 1/16S101J | |
| L 701 | (A,101,27) Inductor | LCTAW2R2J3225 | | (/1,02,0// | 110 | 17 100 10 10 | |
| L 831 | (A,76,17) Ferri-Inductor | LAU100K | R 2 | 07 (A,61,68) | RS | 1/16S681J | Α |
| L 841 | (A,57,18) Inductor | LAU2R2K | R 2 | (, , , | | B4C101J | |
| | (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | R 2 | | | 1/16S101J | |
| L 872 | (A,41,85) Inductor | CTF1617 | R 2 | | | 1/16S101J | |
| L 951 | (A,86,115) Inductor | LAU2R2K | R 2 | , , , | | 1/16S101J | |
| X 201 | (A,59,91)Crystal Resonator 16 | | | ()- , , | | | |
| X 371 | (A,87,107)Ceramic Resona | | | 21 (B,78,89) | RS | 1/16S103J | _ |
| X 601 | (A,149,67)Cristal Resonate | | | | | 1/16S103J | |
| | , | | R 2 | | RS | 1/16S223J | |
| VR121 | (A,120,112)Semi-fixed 15 | kΩ(B) CCP1397 | R 2 | |) RS | 1/16S223J | |
| ∴ FU321 | (A,136,130) Fuse 3 A | CEK1286 | R 2 | | | 1/16S153J | |
| BZ681 | (A,152,50) Buzzer | CPV1062 | | | | | |
| M 972 | Fan Motor | CXM1288 | R 2 | 43 (B,67,96) | RS | 1/16S153J | |
| | FM/AM Tuner Unit | CWE1952 | R 2 | 44 (B,72,91) | RS | 1/16S101J | В |
| | | | R 2 | 47 (B,75,70) | RS | 1/16S101J | |
| RESISTO | RS | | R 2 | 48 (B,79,65) | RS | 1/16S473J | |
| | | | R 2 | 49 (B,77,65) | RS | 1/16S473J | |
| R 101 | (B,26,130) | RS1/16S181J | | | | | |
| R 102 | (B,36,124) | RS1/16S181J | R 2 | 61 (B,58,66) | RS | 1/16S681J | |
| R 103 | (B,27,124) | RS1/16S223J | R 2 | 62 (B,58,62) | RS | 1/16S681J | |
| R 104 | (B,33,122) | RS1/16S223J | R 2 | | | B4C123J | - |
| R 105 | (B,29,124) | RS1/16S102J | R 2 | , | | B4C223J | |
| | | | R 2 | 65 (A,103,63) |) RS | 1/16S681J | |
| R 106 | (B,31,122) | RS1/16S102J | | | | | |
| R 107 | (B,39,142) | RS1/16S101J | R 2 | , , , | | 1/16S681J | |
| R 108 | (B,39,137) | RS1/16S101J | R 2 | | | 1/16S681J | 0 |
| R 109 | (B,39,140) | RS1/16S150J | R 2 | | , | 1/16S681J | С |
| R 110 | (B,39,138) | RS1/16S470J | R 2 | | | 1/16S681J | |
| | | | R 2 | 70 (A,100,66) |) RS | 1/16S681J | |
| R 111 | (B,39,135) | RS1/16S102J | | _, | | | |
| R 112 | (A,26,124) | RS1/16S222J | R 2 | | | 1/16S0R0J | |
| R 113 | (A,23,124) | RS1/16S332J | R 2 | | | 1/16S0R0J | |
| R 114 | (A,20,124) | RS1/16S562J | R 2 | | | 1/16S0R0J | |
| R 122 | (A,139,107) | RS1/16S0R0J | R 2 | | | 1/16S681J | |
| | | | R 2 | 76 (A,93,66) | RS | 1/16S681J | |
| R 123 | (A,138,103) | RS1/16S0R0J | Б.0 | 04 (4.00.04) | D0 | 4/4004701 | |
| R 124 | (A,138,114) | RS1/16S0R0J | R 2 | , , , , | | 1/16S473J | |
| R 125 | (A,138,113) | RS1/16S0R0J | R 2 | (, , , | | 1/16S473J | |
| R 126 | (A,138,109) | RS1/16S0R0J | R 2 R 2 | , , , | | 1/16S682J 1/16S682J | D |
| R 127 | (A,138,107) | RS1/16S0R0J | | (, , , | | | _ |
| 5 | (*) | D0.//.000D0./ | R 2 | 85 (A,101,93) |) no | 1/16S682J | |
| R 128 | (A,139,103) | RS1/16S0R0J | R 2 | 86 (A,101,97) |) DC | 1/16S682J | |
| R 129 | (A,141,101) | RS1/16S0R0J | R 2 | | | 1/16S102J | |
| R 130 | (A,141,99) | RS1/16S0R0J | R 2 | , , , , | , | 1/16S102J | |
| R 131 | (A,141,98) | RS1/16S0R0J | R 2 | | , | 1/16S101J | |
| R 132 | (A,107,89) | RS1/16S103J | R 2 | , , , , | , | 1/16S101J | - |
| D 100 | (4 114 00) | D04/400400 I | 11 2 | (0,00,04) | 110 | 1/1001010 | |
| R 133 | (A,114,89) | RS1/16S103J | R 2 | 91 (A,98,73) | RS | 1/16S473J | |
| R 134 | (A,133,113) | RAB4C102J RS1/16S103J | R 2 | | | 1/16S473J | |
| R 135 R 181 | (A,124,113) | RS1/16S103J | R 2 | , , , | | 1/16S682J | |
| R 182 | (A,102,130) (B,110,125) | RS1/16S683J | R 2 | | | 1/16S682J | |
| n 102 | (B,110,123) | NO 1/ 1000000 | R 2 | | | 1/16S682J | E |
| R 183 | (A,98,130) | RS1/16S153J | | (, , , , , , , | , | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | |
| R 184 | (B,116,125) | RS1/16S682J | R 2 | 96 (A,101,76) |) RS | 1/16S682J | |
| R 185 | (A,104,124) | RS1/16S152J | R 2 | | | 1/16S102J | |
| R 186 | (A,104,124) (A,104,130) | RS1/16S222J | R 2 | , , , , | , | 1/16S102J | |
| R 187 | (A,105,130) | RS1/16S561J | R 2 | | , | 1/16S101J | |
| 11 107 | (71,100,100) | 1101/1000010 | R 3 | 00 (B,89,70) | RS | 1/16S101J | |
| R 188 | (A,110,130) | RS1/16S473J | | · · · · · · · · · · · · · · · · · · · | | | |
| R 189 | (B,107,97) | RS1/16S103J | R 3 | 01 (A,98,83) | RS | 1/16S473J | |
| R 190 | (B,111,97) | RS1/16S223J | R 3 | | | 1/16S473J | |
| R 191 | (B,115,97) | RS1/16S104J | R 3 | | RS | 1/16S682J | |
| R 201 | (B,54,88) | RS1/16S104J | R 3 | | | 1/16S682J | |
| _v . | (·)- ·)/ | | R 3 | , , , , | | 1/16S682J | F |
| R 202 | (B,52,88) | RS1/16S104J | | , | | | Г |
| R 203 | (B,57,79) | RS1/16S153J | R 3 | 06 (A,101,86) |) RS | 1/16S682J | |
| R 204 | (B,63,84) | RS1/16S222J | R 3 | | | 1/16S102J | |
| - | / | | R 3 | |) RS | 1/16S102J | |
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| | Circ | cuit Symbol and No. | Part No. | <u>Ci</u> | rcuit Symbol and No. | Part No. |
| | R 309 | (B,102,86) | RS1/16S101J | R 552 | (B,45,69) | RS1/16S0R0J |
| | R 310 | (B,89,82) | RS1/16S101J | R 554 | (B,43,69) | RS1/16S102J |
| Α | R 321 | (B,151,128) | RS1/16S470J | R 555 | (B,41,51) | RS1/16S220J |
| | R 322 | (B,149,125) | RS1/16S470J | R 556 | (B,53,49) | RS1/16S102J |
| | R 323 | (A,157,131) | RS1/16S223J | R 557 | (B,48,54) | RS1/16S0R0J |
| | R 324 | (A,154,128) | RS1/16S223J | R 601 | (B,131,87) | RS1/16S104J |
| | R 325 | (B,145,126) | RS1/16S470J | R 603 | (B,131,85) | RS1/16S104J |
| | R 326 | (B,139,126) | RS1/16S470J | R 604 | (A,135,52) | RS1/16S103J |
| | R 327 R 328 | (A,151,127) (A,145,127) | RS1/16S223J RS1/16S223J | R 605 R 606 | (B,131,83) (A,139,81) | RS1/16S104J RS1/16S102J |
| | R 329 | (B,136,128) | RS1/16S470J | R 607 | (B,132,73) | RS1/16S104J |
| | R 330 | (B,136,134) | RS1/16S470J | R 608 | (A,126,82) | RS1/16S104J |
| | R 331 | (A,142,127) | RS1/16S223J | R 609 | (A,119,71) | RS1/16S102J |
| В | R 332 | (A,134,130) | RS1/16S223J | R 611 | (B,141,83) | RS1/16S472J |
| | R 333 | (A,145,118) | RS1/16S102J | R 613 | (B,140,85) | RS1/16S472J |
| | R 351 | (B,99,147) | RS1/16S103J | R 615 | (B,135,65) | RS1/16S104J |
| | R 352 | (A,125,121) | RS1/16S103J | R 616 | (B,135,69) | RS1/16S104J |
| | R 353 | (A,125,126) | RS1/16S103J | R 617 | (A,142,53) | RAB4C104J |
| | R 354 R 371 | (A,122,125) (B,91,108) | RS1/16S331J RS1/16S0R0J | R 619 R 621 | (B,146,66) (A,119,60) | RS1/16S0R0J RAB4C104J |
| | R 372 | (B,100,110) | RS1/16S473J | R 625 | (A,119,69) | RS1/16S104J |
| | R 373 | (B,130,78) | RS1/16S104J | R 627 | (A,134,82) | RAB4C681J |
| | R 391 | (A,39,54) | RS1/16S103J | R 628 | (A,131,81) | RS1/16S681J |
| | R 392 | (A,40,65) | RS1/16S223J | R 629 | (B,127,78) | RS1/16S681J |
| С | R 393 | (A,38,65) | RS1/16S103J | R 631 | (A,116,64) | RS1/16S104J |
| | R 394 | (A,37,65) | RS1/16S473J | R 632 | (A,131,52) | RS1/16S104J |
| | R 405 | (B,167,114) | RS1/16S681J | R 633 | (B,136,57) | RS1/16S104J |
| | R 406 | (B,173,130) | RS1/16S681J | R 635 | (A,117,57) | RS1/16S104J |
| _ | R 407 | (B,173,132) | RS1/16S681J | R 640 | (A,120,55) | RS1/16S0R0J |
| | R 408 R 409 | (B,173,134) (B,173,136) | RS1/16S681J RS1/16S681J | R 652 R 661 | (A,149,76) (B,155,49) | RS1/16S104J RS1/16S222J |
| | R 410 | (B,174,140) | RS1/16S681J | R 662 | (A,153,59) | RS1/16S102J |
| | R 431 | (A,48,103) | RS1/16S103J | R 664 | (B,155,53) | RS1/16S473J |
| | R 432 | (A,48,105) | RS1/16S103J | R 665 | (A,156,61) | RS1/16S183J |
| D | R 441 | (B,44,131) | RS1/16S223J | R 671 | (B,13,140) | RS1/16S102J |
| | R 442 R 443 | (B,51,131) | RS1/16S223J RS1/16S103J | R 672 R 681 | (B,15,140) (B,149,50) | RS1/16S102J RS1/16S102J |
| | n 443 | (B,44,127) | H31/1031033 | | (B, 149,50) | |
| | R 444 | (B,51,127) | RS1/16S103J | R 701 | (B,96,43) | RS1/16S682J |
| | R 445 | (B,42,131) | RS1/16S103J | R 702 | (B,96,47) | RS1/16S682J |
| | R 446 R 447 | (B,53,131) (A,40,121) | RS1/16S103J RS1/16S103J | R 703 R 704 | (A,98,47) (A,98,50) | RS1/16S682J RS1/16S682J |
| | R 448 | (A,40,119) | RS1/16S103J | R 705 | (B,96,51) | RS1/16S221J |
| | R 449 | (A,39,123) | RS1/16S103J | R 706 | (B,108,49) | RS1/16S221J |
| | R 450 | (A,52,122) | RS1/16S103J | R 707 | (B,96,49) | RS1/16S221J |
| | R 451 | (A,45,116) | RS1/16S104J | R 708 | (B,108,47) | RS1/16S221J |
| Е | R 452 | (A,47,117) | RS1/16S104J | R 709 | (B,96,45) | RS1/16S221J |
| _ | R 501 | (B,95,24) | RS1/16S681J | R 710 | (B,108,45) | RS1/16S681J |
| | R 502 | (B,95,26) | RS1/16S681J | R 711 | (B,106,40) | RS1/16S473J |
| | R 503 | (B,89,31) | RAB4C681J RS1/16S182J | R 712 R 721 | (A,116,69) | RS1/16S104J RS1/4SA391J |
| | R 511 R 512 | (B,65,49) (B,82,40) | RAB4C681J | R 751 | (B,24,65) (B,135,39) | RS1/16S393J |
| | R 513 | (B,65,51) | RS1/16S332J | R 752 | (B,129,51) | RS1/16S104J |
| | R 514 | (B,61,51) | RS1/16S332J | R 753 | (B,135,41) | RS1/16S472J |
| | R 515 | (B,89,40) | RAB4C681J | R 754 | (B,135,37) | RS1/16S471J |
| | R 516 | (B,65,53) | RS1/16S182J | R 755 | (B,133,48) | RS1/16S273J |
| | R 521 | (B,82,31) | RAB4C101J | R 757 | (B,121,31) | RS1/16S104J |
| F | R 522 | (B,88,25) | RS1/16S101J | R 758 | (B,119,35) | RS1/16S222J |
| | R 523 | (B,88,23) | RS1/16S101J | R 759 | (B,120,38) | RS1/16S471J |
| | R 531 | (B,51,42) | RS1/16S223J | R 760 | (B,120,28) | RS1/16S471J |
| | R 532 | (B,49,43) | RS1/16S102J | R 761 | (B,115,39) | RS1/16S473J |
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|----------------------------------|--|--|-------------------------|--|--|------------|
| <u>Ci</u> | rcuit Symbol and N | No. Part No. | <u>Cir</u> | cuit Symbol and No | o. Part No. | |
| R 762 R 763 | (B,112,40) (B,118,52) | RS1/16S473J RS1/16S103J | R 971 R 972 | (A,52,119) (B,65,120) | RS1/16S391J RS1/16S1R0J | |
| R 764 R 765 | (B,129,53) (B,112,46) | RS1/16S103J RS1/16S473J | R 981 R 982 | (B,79,112) (B,82,111) | RS1/16S102J RS1/16S153J | Α |
| R 766 R 767 R 768 | (B,112,44) (B,120,52) (B,118,47) | RS1/16S473J RS1/16S472J RS1/16S103J | R 983 CAPACI | (B,75,118) TORS | RS1/16S102J | |
| | (D.101.51) | D04/4000001 | | | | |
| R 769 R 770 R 771 R 773 | (B,124,51) (B,136,34) (B,136,30) (B,117,50) | RS1/16S682J RS1/16S333J RS1/16S332J RS1/16S0R0J | C 101 C 102 C 103 | (B,34,134) (B,35,144) (B,39,144) | CKSRYB104K16 CKSRYB102K50 CKSRYB102K50 | |
| R 774 | (B,117,30) (B,128,30) | RS1/16S473J | C 121 C 122 | (A,114,106) (A,114,104) | CKSQYB225K10 CKSQYB225K10 | |
| R 775 R 776 | (B,130,38) (B,139,27) | RS1/16S473J RS1/16S473J | C 123 | (A,114,108) | CKSQYB225K10 | В |
| R 777 | (B,139,27) (B,140,30) | RS1/16S473J | C 124 C 125 | (A,114,102) (A,120,106) | CKSQYB225K10 CKSRYB105K10 | _ |
| R 791 | (B,107,69) | RS1/16S122J | C 125 | (A,120,100) (A,120,104) | CKSRYB105K10 | |
| R 792 | (A,54,105) | RS1/16S821J | C 127 | (A,120,102) | CKSRYB104K16 | |
| R 793 | (A,39,94) | RS1/16S152J | C 128 | (A,120,101) | CKSRYB104K16 | |
| R 801 | (A,152,42) | RS1/16S102J | C 129 | (A,120,94) | CEJQ4R7M35 | |
| R 802 | (A,142,42) | RS1/16S102J | C 130 | (A,126,94) | CEJQ4R7M35 | |
| R 803 | (B,149,38) | RS1/16S103J | C 131 | (A,117,98) | CKSQYB225K10 | |
| R 804 | (B,143,41) | RS1/16S563J | C 132 | (A,114,113) | CKSYB475K10 | |
| R 806 | (B,152,42) | RS1/16S102J | C 133 | (A,114,111) | CKSYB475K10 | |
| R 807 | (A,151,18) | RS1/4SA102J | C 134 | (A,127,113) | CKSRYB105K10 | С |
| R 808 R 811 | (B,152,38) (B,110,26) | RS1/16S102J RS1/16S222J | C 135 | (A,130,113) | CKSRYB105K10 | · · |
| R 812 | (B,112,18) | RS1/16S222J | C 136 C 137 | (A,122,117) (A,129,117) | CEJQ470M10 CEJQ470M10 | |
| R 813 | (B,110,28) | RS1/16S222J | C 138 | (A,107,90) | CKSRYB104K16 | |
| R 814 | (B,115,17) | RS1/16S222J | C 138 | (B,119,111) | CKSRYB105K10 | |
| R 815 | (A,116,27) | RS1/16S222J | C 151 | (B,129,113) | CKSRYB105K10 | |
| R 816 | (B,117,17) | RS1/16S222J | C 181 | (A,100,130) | CCSRCH681J50 | |
| R 817 | (B,120,17) | RS1/16S222J | C 182 | (A,105,124) | CKSQYB225K10 | |
| R 818 | (A,118,27) | RS1/16S222J | C 183 | (A,111,123) | CEJQ101M6R3 | |
| R 819 | (A,120,27) | RS1/16S104J | C 201 | (B,54,81) | CKSRYB104K16 | |
| R 820 R 821 | (B,107,21) (B,109,12) | RS1/16S223J RS1/16S473J | C 202 | (B,56,82) | CKSRYB682K50 | D |
| R 831 | (B,70,15) | RS1/16S472J | C 203 C 204 | (B,56,76) (B,54,74) | CKSRYB104K16 CKSRYB104K16 | |
| R 832 | (B,72,27) | RS1/16S821J | C 205 | (A,51,83) | CEJQ100M16 | |
| R 833 | (B,80,23) | RS1/16S222J | C 206 | (A,51,63) (A,51,77) | CEJQ100M16 | |
| R 841 | (A,39,24) | RS1/16S1R0J | C 207 | (A,51,72) | CEJQ100M16 | |
| R 842 | (A,37,33) | RS1/4SA271J | C 208 | (B,58,84) | CKSRYB104K16 | |
| R 851 | (B,63,27) | RS1/16S1R0J | C 209 | (B,57,87) | CCSRCH8R0D50 | |
| R 852 | (B,59,20) | RS1/4SA391J | C 210 | (B,62,76) | CKSRYB104K16 | |
| R 853 | (A,134,34) | RS1/16S562J | C 211 | (B,62,87) | CCSRCH8R0D50 | |
| R 854 R 855 | (A,132,37) | RS1/16S103J RS1/16S151J | C 212 | (B,63,79) | CKSRYB104K16 | |
| R 901 | (A,89,16) (B,22,56) | RS1/16S223J | C 213 C 214 | (B,64,75) (B,63,82) | CKSRYB104K16 CCSRCH680J50 | E |
| R 902 | (A,36,50) | RS1/16S272J | | , | | |
| R 911 | (A,22,116) | RS1/16S821J | C 215 C 216 | (B,65,79) (B,68,67) | CKSRYB104K16 CCSRCH680J50 | |
| R 921 | (B,16,85) | RS1/16S821J | C 217 | (B,50,88) | CKSYB106K6R3 | |
| R 931 | (A,69,116) | RS1/16S104J | C 220 | (B,65,94) | CKSRYB103K50 | |
| R 932 | (A,75,118) | RS1/16S103J | C 221 | (B,81,86) | CCSRCH101J50 | |
| R 933 | (B,70,121) | RS1/16S473J | C 224 | (A,81,77) | CEVW100M10 | |
| R 934 | (B,68,121) | RS1/16S473J | C 225 | (A,83,83) | CKSRYB104K16 | |
| R 935 | (B,72,121) | RS1/16S472J | C 226 | (A,87,77) | CSZS100M16 | |
| R 941 R 951 | (A,82,118) (A,91,119) | RS1/16S103J RS1/16S102J | C 227 C 228 | (A,84,83) (A,93,87) | CKSRYB104K16 CEVW100M10 | _ |
| | , , , , | | | | | F |
| R 952 | (A,89,121) | RS1/16S472J | C 229 | (A,93,81) | CEVW100M10 | |
| R 953 R 954 | (A,92,124) (A,90,124) | RS1/16S472J RS1/16S153J | C 230 | (A,93,76) | CEVW100M10 | |
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|---|----------------|---|------------------------------|----------------|--------------------------|------------------------------|
| | Circ | cuit Symbol and No. | Part No. | Circ | cuit Symbol and No. | Part No. |
| | C 231 | (A,93,70) | CEVW100M10 | C 366 | (B,121,133) | CKSRYB474K10 |
| | C 232 | (A,93,98) | CEVW100M10 | C 371 | (B,94,112) | CKSRYB104K16 |
| | C 233 | (A,93,92) | CEVW100M10 | C 372 | (B,99,112) | CKSRYB104K16 |
| Α | C 240 | (B,82,96) | CCSRCH220J50 | C 373 | (B,99,108) | CKSRYB104K16 |
| | C 241 | (B,69,96) | CCSRCH220J50 | C 374 | (A,110,116) | CEAL100M16 |
| | C 242 | (B,86,95) | CKSRYB104K16 | C 378 | (B,98,114) | CKSRYB105K10 |
| | C 243 | (B,66,71) | CKSRYB332K50 | C 401 | (B,173,109) | CKSRYB103K50 |
| | C 244 | (A,73,79) | CKSYB106K6R3 | C 402 | (B,156,111) | CKSRYB102K50 |
| | C 245 | (A,73,74) | CKSYB106K6R3 | C 403 | (A,160,111) | CEJQ470M10 |
| | C 246 | (B,58,70) | CKSRYB332K50 | C 404 | (B,167,110) | CKSYB475K10 |
| | C 247 | (B,70,86) | CKSYB106K6R3 | C 405 | (B,174,142) | CKSRYB103K50 |
| | C 250 | (A,73,69) | CKSYB106K6R3 | C 406 | (A,160,118) | CEJQ101M10 |
| | C 251 | (A,74,63) | CKSYB106K6R3 | C 408 | (B,160,114) | CKSRYB102K50 |
| В | C 252 | (B,78,48) | CKSRYB104K16 | C 421 | (A,161,96) | CEJQ220M16 |
| _ | C 261 | (A,56,68) | CKSRYB104K16 | C 421 | (B,157,93) | CKSRYB103K50 |
| | C 262 | (A,98,66) | CKSRYB104K16 | C 423 | (B,156,83) | CKSYB475K10 |
| | C 272 | (A,81,69) | CCSRCH560J50 | C 424 | (B,135,97) | CKSRYB103K50 |
| | C 273 | (A,85,70) | CKSRYB103K50 | C 431 | (A,48,112) | CKSRYB104K16 |
| | _ | | | _ | | |
| | C 281 | (A,98,91) | CCSRCH681J50 | C 432 | (A,33,117) | CKSQYB105K16 |
| | C 282 | (A,98,99) | CCSRCH681J50 CCSRCH331J50 | C 433 | (A,36,118) | CKSQYB105K16 |
| | C 283 C 284 | (A,101,94) (A,101,96) | CCSRCH331J50 | C 441 C 442 | (B,42,127) (B,53,127) | CKSQYB225K10 CKSQYB225K10 |
| | C 285 | (B,96,89) | CKSRYB105K10 | C 442 | (B,43,123) | CKSQYB225K10 |
| | | (=,==,==) | | | (=,:=,:==) | |
| _ | C 286 | (B,104,98) | CKSRYB105K10 | C 444 | (B,50,123) | CKSQYB225K10 |
| С | C 287 | (B,95,100) | CKSRYB104K16 | C 445 | (A,41,123) | CCSRCH101J50 |
| | C 291 | (A,98,70) | CCSRCH681J50 | C 446 | (A,51,122) | CCSRCH101J50 |
| | C 292 | (A,98,77) | CCSRCH681J50 | C 447 | (A,45,118) | CKSRYB105K10 |
| | C 293 | (A,101,73) | CCSRCH331J50 | C 448 | (A,40,115) | CEVW100M10 |
| | C 294 | (A,101,74) | CCSRCH331J50 | C 501 | (B,99,22) | CKSRYB104K16 |
| • | C 295 | (B,96,68) | CKSRYB105K10 | C 511 | (B,94,37) | CKSRYB104K16 |
| _ | C 296 | (B,104,74) | CKSRYB105K10 | C 521 | (B,84,18) | CKSRYB104K16 |
| | C 297 | (B,89,76) | CKSRYB104K16 | C 554 | (A,46,63) | CEJQ330M10 |
| | C 301 | (A,98,80) | CCSRCH681J50 | C 561 | (A,51,66) | CEJQ220M16 |
| | C 302 | (A,98,88) | CCSRCH681J50 | C 562 | (B,63,43) | CKSRYB103K50 |
| | C 303 | (A,101,83) | CCSRCH331J50 | C 563 | (B,63,33) | CKSYB475K10 |
| D | C 304 | (A,101,85) | CCSRCH331J50 | C 566 | (B,45,37) | CKSRYB104K16 |
| | C 305 | (B,96,79) | CKSRYB105K10 | C 567 | (B,55,40) | CKSRYB103K50 |
| | C 306 | (B,104,86) | CKSRYB105K10 | C 568 | (B,55,38) | CKSRYB105K6R3 |
| | C 307 | (B,89,87) | CKSRYB104K16 | C 601 | (A 100 00) | CKSRYB104K16 |
| | C 307 | (A,153,122) | CEJQNP100M10 | C 602 | (A,128,83) (A,140,84) | CKSRYB104K16 |
| | C 322 | (A,147,122) | CEJQNP100M10 | C 603 | (A,124,83) | CKSRYB104K16 |
| _ | C 323 | (A,140,122) | CEJQNP100M10 | C 605 | (B,137,89) | CKSRYB103K50 |
| | C 324 | (A,134,122) | CEJQNP100M10 | C 606 | (A,134,90) | CEJQ4R7M35 |
| | 0.00- | (A 400 45=) | OF IONE (SEC.) | A | (D. 454.65) | 00000117777 |
| | C 325 | (A,130,127) | CEJQNP100M10 | C 607 | (B,151,68) | CCSRCH7R0D50 |
| | C 326 C 327 | (A,131,133) (A,154,134) | CEJQNP100M10 CKSRYB102K50 | C 608 C 610 | (B,151,64) (A,118,65) | CCSRCH7R0D50 CKSRYB104K16 |
| Ε | C 327 | (A,149,115) | CEJQ220M16 | C 611 | (A,118,53) (A,138,53) | CKSRYB104K16 |
| | C 351 | (B,129,123) | CKSQYB474K16 | C 612 | (A,134,54) | CKSRYB104K16 |
| | | | | | | |
| | C 352 | (B,124,124) | CKSQYB474K16 | C 613 | (B,134,78) | CCSRCH331J50 |
| | C 353 | (B,126,123) | CKSQYB474K16 | C 662 | (B,155,51) | CKSRYB104K16 |
| | C 354 C 355 | (B,122,124) (A,117,122) | CKSQYB474K16 CEJQ330M10 | C 663 C 721 | (A,156,59) | CKSRYB105K10 CKSRYB473K25 |
| - | C 355 | (A,117,122) (A,86,125) 3 300 μF/16 V | CCH1486 | C 721 | (B,30,74) (B,29,67) | CKSRYB102K50 |
| | 0 001 | (71,00,120) 0 000 pi 710 V | 00111400 | 0 722 | (5,20,01) | OKOTTIBIOZKO |
| | C 358 | (B,95,140) | CKSRYB104K25 | C 723 | (A,29,65) | CEJQ101M10 |
| | C 359 | (A,124,130) | CEHAR100M16 | C 743 | (A,96,54) | CEJQ101M10 |
| | C 360 | (A,124,135) | CKSQYB225K10 | C 751 | (A,138,41) | CEJQ4R7M35 |
| F | C 361 | (A,126,135) | CKSQYB225K10 | C 752 | (A,138,46) | CEJQ1R0M50 |
| | C 363 | (B,122,140) | CKSRYB474K10 | C 753 | (A,138,35) | CEJQ4R7M35 |
| | C 364 | (B,121,135) | CKSRYB474K10 | C 754 | (B,112,38) | CKSRYB104K16 |
| | C 365 | (B,122,138) | CKSRYB474K10 | C 755 | (B,119,31) | CKSRYB102K50 |
| | 60 | | DEH-P98 | 0BT/XN/UC | | |
| - | 60 | 1 - | 2 | | 3 | 4 |
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| <u>Ci</u> | rcuit Symbol and No. | Part No. | Circ | uit Symbol and No. | Part No. | |
| C 756 | (B,121,35) | CCSRCH101J50 | C 971 | (B,63,112) | CKSRYB103K50 | |
| C 758 | (B,134,30) | CKSRYB105K10 | C 972 | (B,62,116) | CKSRYB103K50 | |
| C 759 | (B,124,53) | CKSRYB104K16 | C 973 | (A,64,116) | CEJQ100M16 | |
| | , | | | , | | Α |
| C 760 | (B,122,39) | CKSRYB104K16 | C 981 | (B,82,113) | CKSRYB104K16 | |
| C 761 | (B,128,28) | CKSRYB104K16 | | , , , , | | |
| C 762 | (B,118,45) | CKSRYB472K50 | Λ | | | |
| C 763 | (B,119,49) | CKSRYB102K50 | A | | | |
| C 764 | (B,112,48) | CKSRYB104K16 | Unit Nur | mber: CWN1437 | (DEH-P9800BT/XN/UC) | |
| | | | Unit Nar | | | |
| C 765 | (B,134,34) | CKSRYB471K50 | Omit Hai | iic . Tallel Alli | y Onit | - |
| C 768 | (B,138,30) | CKSRYB104K16 | MOOFIL | ANEOUS | | |
| C 769 | (B,75,112) | CKSRYB153K50 | MISCELL | ANEOUS | | |
| C 791 | (B,115,71) | CKSRYB103K50 | 10.404 | (5.04.440) 10 | 11440044ED | |
| C 792 | (A,66,107) | CEJQ470M10 | IC 101 | (B,31,140) IC | HA12241FP | |
| | | | IC 121 | (A,129,104) IC | PM9009A | _ |
| C 793 | (B,75,109) | CKSRYB103K50 | IC 122 | (A,111,94) IC | TC4066BFT | В |
| C 794 | (A,79,106) | CCH1325 | IC 201 | (A,61,77) IC | AK7732VT | |
| C 795 | (A,71,111) | CEJQ101M10 | IC 221 | (A,76,86) IC | PCM1606EG | |
| C 796 | (A,44,90) | CKSRYB103K50 | 10.040 | (5.75.00) 10 | N. II. 4.5501.4D | |
| C 801 | (B,143,43) | CKSRYB103K50 | IC 240 | (B,75,96) IC | NJM4558MD | |
| | | | IC 241 | (B,78,53) IC | NJM4558MD | |
| C 802 | (B,153,32) | CKSRYB102K50 | IC 261 | (A,58,64) IC | TC74VHCT08AFTS1 | |
| C 803 | (A,142,37) | CCSRCH101J50 | IC 262 | (A,96,62) IC | TC74VHC08FTS1 | _ |
| C 804 | (A,152,37) | CCSRCH101J50 | IC 271 | (A,81,71) IC | TC7SH08FUS1 | |
| C 806 | (B,156,27) | CKSRYB102K50 | 10.004 | (D.00.00), IO | N. INAASSONAD | |
| C 807 | (A,157,20) | CKSRYB104K16 | IC 281 | (B,96,96) IC | NJM4558MD | |
| | | | IC 282 | (B,96,74) IC | NJM4558MD | |
| C 808 | (A,154,24) | CEVW220M16 | IC 283 | (B,95,85) IC | NJM4558MD | С |
| C 831 | (B,80,21) | CKSRYB104K16 | IC 351 | (A,102,139) IC | PAL007B | C |
| C 832 | (A,76,11) | CEVW470M10 | IC 371 | (A,99,110) IC | PM8003A | |
| C 841 | (A,57,12) | CEVW470M16 | 10.404 | (P. 100.00), IO | N IMOOOFDI 4 OO | |
| C 842 | (B,37,37) | CKSRYB104K16 | IC 421 | (B,160,88) IC | NJM2885DL1-33 | |
| | (5.55.54) | 01/07)/7-1001/7-0 | IC 441 | (A,46,122) IC | NJM4558MD | |
| C 843 | (B,36,31) | CKSRYB102K50 | IC 501 | (A,95,28) IC | TC74VHCT08AFTS1 | |
| C 844 | (A,36,29) | CEJQ330M16 | IC 511 | (A,95,39) IC | TC74VHC08FTS1 | |
| C 851 | (B,65,15) | CKSRYB473K25 | IC 521 | (A,99,20) IC | S99-50084 | |
| C 852 | (A,92,14) | CKSRYB104K16 | 10 561 | (D 65 00) IC | N IMOSSEDI 1 32 | |
| C 861 | (A,61,97) | CKSRYB105K6R3 | IC 561 IC 566 | (B,65,38) IC (B,50,39) IC | NJM2885DL1-33 NJM2872F05 | |
| 0.000 | (4.04.00) | 01/00/01/01/01/01 | IC 601 | (A,133,67) IC | PEG260A | |
| C 862 | (A,61,99) | CKSRYB103K50 | IC 661 | (A,155,66) IC | S-80835CNUA-B8U | |
| C 863 | (A,68,98) | CKSRYB104K16 | IC 751 | (B,112,34) IC | NJM4558MD | D |
| C 871 | (A,43,75) | CKSRYB104K16 | 10 751 | (B,112,34) IC | NJW4336WD | |
| C 873 | (A,41,79) | CEVW101M6R3 | IC 752 | (B,126,47) IC | NJM4151M | |
| C 875 | (A,38,85) | CKSRYB105K10 | IC 752 | (B,127,34) IC | NJM4558MD | |
| 0.077 | (4.40.00) | CEVANA 04 MCD0 | IC 754 | (B,113,51) IC | TC7S14FU | |
| C 877 | (A,49,99) | CEVW101M6R3 CKSRYB103K50 | IC 801 | (A,147,40) IC | BA6288FS | |
| C 878 | (A,55,100) | | IC 861 | (A,65,98) IC | NJM2872F05 | _ |
| C 879 | (B,49,98) | CKSYB475K10 | 10 001 | (A,00,00) 10 | 14010120721 03 | |
| C 901 C 903 | (A,27,47) 2 200 μF/16 V (B,28,62) | CCH1405 CKSRYB472K50 | IC 871 | (B,57,99) IC | NJM2885DL1-33 | |
| C 903 | (B,20,02) | CN3H1B4/2N3U | Q 101 | (A,22,121) Transistor | UMF23N | |
| C 004 | (P. 39. 53) | CKCDVD100VE0 | Q 101 Q 121 | (A,111,89) Transistor | UMD3N | |
| C 904 C 905 | (B,28,52) | CKSRYB103K50 CEJQ470M10 | Q 121 Q 281 | (A,104,95) Transistor | UMH3N | |
| C 905 C 911 | (A,28,54) (A,32,109) | CEJQ470M10 CEJQ221M10 | Q 282 | (A,106,66) Transistor | UMD3N | |
| | , , , | | Q 202 | (A,100,00) Halisistol | GIVIDGIV | Е |
| C 912 C 913 | (B,13,117) (A,13,120) | CKSRYB103K50 CEJQ101M10 | Q 291 | (A,104,73) Transistor | UMH3N | |
| 0 913 | (A,13,120) | CLJQTOTWTO | Q 301 | (A,104,84) Transistor | UMH3N | |
| C 021 | (A 21 00) 470 uE/16 V | CCU1205 | Q 321 | (A,154,131) Transistor | IMH23 | |
| C 921 C 922 | (A,31,99) 470 μF/16 V (B,30,81) | CCH1325 CKSRYB103K50 | Q 322 | (A,148,127) Transistor | IMH23 | |
| C 922 | (B,30,81) (A,30,77) | CEJQ101M10 | Q 323 | (A,139,127) Transistor | IMH23 | |
| C 923 C 932 | (A,30,77) (B,74,121) | CKSRYB104K16 | Q 020 | (, , , | | |
| C 932 C 941 | (B,74,121) (A,83,114) | CKSRYB104K16 CKSQYB105K16 | Q 324 | (A,144,114) Transistor | UMD3N | |
| 0 341 | (4,00,114) | סויטפו הויסטיוס | Q 351 | (A,125,124) Transistor | DTC124EUA | |
| C 963 | (A,77,135) | CKSQYB105K10 | Q 391 | (A,39,58) Transistor | 2SC4081 | |
| C 963 | (B,74,132) | CKSQYB105K10 | Q 531 | (B,55,43) Transistor | DTC314TU | |
| C 965 | (B,74,132) (B,72,132) | CKSQYB105K16 | Q 601 | (B,115,64) Transistor | UMD3N | |
| C 966 | (B,72,132) (B,73,145) | CKSQYB105K16 | ~ 001 | , , , . , | • | |
| C 967 | (A,74,135) | CKSQYB105K16 | Q 661 | (B,155,56) Transistor | 2SC4081 | F |
| J 301 | (r.,r -r, 100) | סוואנטום ואסאוט | Q 721 | (A,18,74) Transistor | 2SD2396 | |
| C 968 | (A,72,135) | CKSQYB105K16 | Q 722 | (A,36,72) Transistor | UMD3N | |
| C 969 | (A,69,135) | CKSQYB105K16 | Q 791 | (B,57,107) Transistor | 2SD1760F5 | |
| 2 200 | (,,) | = | | , | | |
| _ | _ | | DEH-P980BT/XN/UC | 7 - | 。 6 | 1 _ |
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| | Circ | uit Symbol and No. | Part No. | Circ | cuit Symbol and No. | Part No. |
| | Q 792 | (A,57,103) Transistor | UMD3N | D 816 | (B,106,19) Diode | DAP202U |
| | Q 793 | (B,111,69) Transistor | 2SC4081 | D 817 | (B,106,28) Diode | DAN202U |
| Α | Q 794 | (A,39,96) Transistor | 2SC4081 | D 818 | (B,106,24) Diode | DAP202U |
| | Q 795 | (A,39,90) Transistor | UMD3N | D 841 | (A,36,39) Diode | HZS9L(C2) |
| | Q 801 | (B,151,22) Transistor | 2SD1760F5 | D 851 | (A,66,13) Diode | HZS11L(A1) |
| | Q 812 | (A,153,18) Transistor | UMD3N | D 853 | (A,92,13) LED | SML412BC5T(MN) |
| | Q 831 | (A,68,17) Transistor | 2SB710A | D 901 | (A,35,59) Diode | MPG06G-6415G50 |
| | Q 832 | (B,76,27) Transistor | DTC114EU | D 902 | (A,29,59) Diode | HZS6L(B1) |
| | Q 841 Q 842 | (A,34,19) Transistor (A,38,36) Transistor | 2SD1760F5 UMD3N | D 911 D 921 | (A,13,115) Diode (A,30,83) Diode | HZS9L(B2) HZS9L(B2) |
| | Q 851 | (B,63,24) Transistor | 2SD1767 | D 931 | (A,73,117) Diode | HZU7L(A1) |
| | Q 852 | (A,66,9) Transistor | UMD3N | D 932 | (A,69,118) Diode | HZU7L(C3) |
| _ | Q 853 | (A,132,34) Transistor | 2SC4081 | D 941 | (A,79,115) Diode | 1SR154-400 |
| В | Q 901 | (A,18,57) Transistor | 2SD2396 | D 951 | (A,92,127) Diode | DAN202U |
| | Q 902 | (A,34,50) Transistor | UMD3N | D 971 | (A,57,114) Diode | HZS11L(B2) |
| | Q 911 | (A,18,103) Transistor | 2SD2396 | D 981 | (B,87,109) Diode Network | DA204U |
| | Q 912 | (A,22,118) Transistor | UMD3N | D 982 | (B,82,117) Diode | HZU7L(C2) |
| | Q 921 | (A,18,87) Transistor | 2SD2396 | D 991 | (A,98,126) Diode | MPG06G-6415G50 |
| | Q 922 Q 931 | (B,23,80) Transistor (A,75,116) Transistor | UMD3N UMX1N | D 992 D 993 | (A,98,121) Diode (A,61,103) Diode | MPG06G-6415G50 DAN202U |
| | Q 941 | (A,83,116) Transistor | DTC114EU | ZNR401 | (A,161,145)Surge Protector | |
| | | , | | | | |
| | Q 951 | (A,92,121) Transistor | 2SA1576 | L 101 | (B,24,134) Inductor | LCTAW2R2J2520 |
| | Q 971 Q 972 | (A,51,115) Transistor (A,57,117) Transistor | UMD3N 2SD1859 | L 121 L 201 | (A,117,117) Inductor (A,55,85) Inductor | ATH1176 CTF1379 |
| С | D 121 | (B,128,115) Diode | RB520S-30 | L 206 | (B,66,83) Inductor | CTF1389 |
| | D 132 | (B,124,112) Diode | 1SS355 | L 208 | (A,63,68) Inductor | CTF1389 |
| | D 133 | (B,124,108) Diode | RB521S-30 | L 221 | (A,84,85) Inductor | CTF1379 |
| | D 134 | (B,124,110) Diode | RB521S-30 | L 241 | (B,84,52) Inductor | CTF1389 |
| | D 281 | (A,107,73) Diode | DAN202U | L 261 | (A,56,70) Inductor | CTF1379 |
| | D 321 | (A,138,117) Diode | 1SS133 | L 262 | (A,95,66) Inductor | CTF1379 |
| | D 351 | (A,117,130) Diode | MPG06G-6415G50 | L 271 | (A,83,70) Inductor | CTF1389 |
| | D 352 | (A,117,127) Diode | MPG06G-6415G50 | L 272 | (A,84,72) Inductor | CTF1379 |
| | D 391 | (A,44,69) Diode | DAN202U | L 371 | (B,97,110) Inductor | CTF1379 |
| | D 392 | (A,43,72) Diode | HZU9L(A2) | L 401 | (A,160,105) Inductor | LAU1R0K |
| D | D 421 D 422 | (A,161,84) Diode (A,161,88) Diode | 1SR154-400 1SR154-400 | L 402 L 403 | (A,154,106) Ferri-Inductor (A,154,114) Inductor | LAU1R0K |
| | | | | | , | |
| | D 423 | (A,161,91) Diode | 1SR154-400 | L 404 | (B,167,149) Chip Coil | LCTAW4R7J2520 |
| | D 431 D 441 | (A,32,125) Diode (B,39,118) Diode | RSB6R8S RSB6R8S | L 501 L 511 | (B,95,22) Inductor (B,94,35) Inductor | CTF1379 CTF1379 |
| | D 441 D 442 | (B,50,121) Diode | RSB6R8S | L 511 | (B,84,23) Inductor | CTF1379 CTF1379 |
| | D 531 | (B,53,46) Diode | 1SS355 | L 554 | (B,60,45) Inductor | CTF1389 |
| | D 551 | (B,54,59) Diode | DAN202U | L 604 | (A,139,90) Ferri-Inductor | LAU100K |
| | D 601 | (B,121,61) Diode | DAN202U | L 701 | (A,101,27) Inductor | LCTAW2R2J3225 |
| | D 671 | (B,19,140) Diode | DAN202U | L 831 | (A,76,17) Ferri-Inductor | LAU100K |
| | D 672 | (B,24,140) Diode | DAP202U | L 841 | (A,57,18) Inductor | LAU2R2K |
| Ε | D 721 | (A,30,72) Diode | HZS9L(A2) | L 872 | (A,41,85) Inductor | CTF1617 |
| | D 751 | (B,135,51) Diode Network | | L 951 | (A,86,115) Inductor | LAU2R2K |
| | D 752 | (B,126,39) Diode Network | | X 201 | (A,59,91)Crystal Resonator | |
| | D 791 | (B,110,73) Diode | HZU6L(B1) | X 371 | (A,87,107)Ceramic Resonat | |
| | D 792 D 793 | (B,80,109) Diode (B,40,107) Diode | HZU7L(A1) 1SR154-400 | X 601 VR121 | (A,149,67)Cristal Resonator (A,120,112) Semi-fixed 15 | |
| | | , , , | | | , | , , |
| | D 794 | (A,42,90) Diode | HZU9L(B2) | FU321 | (A,136,130) Fuse 3 A | CEK1286 |
| | D 801 | (A,148,30) Diode | 1SS133 | BZ681 | (A,152,50) Buzzer Fan Motor | CPV1062 |
| | D 802 D 803 | (A,148,34) Diode (A,149,23) Diode | 1SS133 HZU7L(B2) | M 972 | FM/AM Tuner Unit | CXM1288 CWE1951 |
| | D 811 | (B,115,13) Diode | DAN202U | | | OWE1001 |
| F | D 812 | (B,124,13) Diode | DAP202U | RESISTO | RS | |
| | D 813 | (A,111,27) Diode | DAN202U | R 101 | (B,26,130) | RS1/16S181J |
| | D 814 | (A,107,27) Diode | DAP202U | R 102 | (B,26,130) (B,36,124) | RS1/16S181J |
| | D 815 | (B,106,15) Diode | DAN202U | | (-,, '/ | |
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| Circ | uit Symbol and No. | Part No. | | Circ | uit Symbol and No | o. Part No. | |
| R 103 | (B,27,124) | RS1/16S223J | | R 275 | (A,91,65) | RS1/16S681J | |
| R 104 | (B,33,122) | RS1/16S223J | | R 276 | (A,93,66) | RS1/16S681J | |
| R 105 | (B,29,124) | RS1/16S102J | | R 281 | (A,98,94) | RS1/16S473J | |
| | | | | | | | Α |
| R 106 | (B,31,122) | RS1/16S102J | | R 282 | (A,98,96) | RS1/16S473J | |
| R 107 | (B,39,142) | RS1/16S101J | | R 283 | (A,98,93) | RS1/16S682J | |
| R 108 | (B,39,137) | RS1/16S101J | | R 284 | (A,98,97) | RS1/16S682J | |
| R 109 R 110 | (B,39,140) | RS1/16S150J RS1/16S470J | | R 285 R 286 | (A,101,93) | RS1/16S682J RS1/16S682J | |
| n IIU | (B,39,138) | no 1/1004/00 | | n 200 | (A,101,97) | NO 1/ 1000020 | |
| R 111 | (B,39,135) | RS1/16S102J | | R 287 | (B,100,89) | RS1/16S102J | |
| R 112 | (A,26,124) | RS1/16S222J | | R 288 | (B,103,94) | RS1/16S102J | |
| R 113 | (A,23,124) | RS1/16S332J | | R 289 | (B,102,97) | RS1/16S101J | |
| R 114 | (A,20,124) | RS1/16S562J | | R 290 | (B,89,94) | RS1/16S101J | |
| R 122 | (A,139,107) | RS1/16S0R0J | | R 291 | (A,98,73) | RS1/16S473J | |
| _ | | | | _ | | | В |
| R 123 | (A,138,103) | RS1/16S0R0J | | R 292 | (A,98,74) | RS1/16S473J | ь |
| R 124 | (A,138,114) | RS1/16S0R0J | | R 293 | (A,98,71) | RS1/16S682J | |
| R 125 | (A,138,113) | RS1/16S0R0J | | R 294 | (A,98,76) | RS1/16S682J | |
| R 126 R 127 | (A,138,109) (A,138,107) | RS1/16S0R0J RS1/16S0R0J | | R 295 R 296 | (A,101,71) (A,101,76) | RS1/16S682J RS1/16S682J | |
| 11 127 | (A, 130, 107) | 1101/10001100 | | 11 290 | (A,101,70) | 1101/1000020 | |
| R 128 | (A,139,103) | RS1/16S0R0J | | R 297 | (B,100,68) | RS1/16S102J | _ |
| R 129 | (A,141,101) | RS1/16S0R0J | | R 298 | (B,103,71) | RS1/16S102J | |
| R 130 | (A,141,99) | RS1/16S0R0J | | R 299 | (B,102,74) | RS1/16S101J | |
| R 131 | (A,141,98) | RS1/16S0R0J | | R 300 | (B,89,70) | RS1/16S101J | |
| R 132 | (A,107,89) | RS1/16S103J | | R 301 | (A,98,83) | RS1/16S473J | |
| | | | | | | | |
| R 133 | (A,114,89) | RS1/16S103J | | R 302 | (A,98,85) | RS1/16S473J | С |
| R 134 | (A,133,113) | RAB4C102J | | R 303 | (A,98,82) | RS1/16S682J | C |
| R 135 | (A,124,113) | RS1/16S103J | | R 304 | (A,98,86) | RS1/16S682J | |
| R 201 R 202 | (B,54,88) | RS1/16S104J RS1/16S104J | | R 305 R 306 | (A,101,82) | RS1/16S682J RS1/16S682J | |
| n 202 | (B,52,88) | NO 1/100 104J | | n 300 | (A,101,86) | NO 1/ 1000020 | |
| R 203 | (B,57,79) | RS1/16S153J | | R 307 | (B,100,79) | RS1/16S102J | |
| R 204 | (B,63,84) | RS1/16S222J | | R 308 | (B,103,83) | RS1/16S102J | • |
| R 205 | (A,59,68) | RS1/16S681J | | R 309 | (B,102,86) | RS1/16S101J | |
| R 206 | (A,62,87) | RS1/16S101J | | R 310 | (B,89,82) | RS1/16S101J | |
| R 207 | (A,61,68) | RS1/16S681J | | R 321 | (B,151,128) | RS1/16S470J | |
| | | | | | | | |
| R 208 | (A,67,86) | RAB4C101J | | R 322 | (B,149,125) | RS1/16S470J | |
| R 212 | (A,69,76) | RS1/16S101J | | R 323 | (A,157,131) | RS1/16S223J | D |
| R 213 | (A,68,71) | RS1/16S101J | | R 324 | (A,154,128) | RS1/16S223J | |
| R 214 R 221 | (A,67,71) (B,78,89) | RS1/16S101J RS1/16S103J | | R 325 R 326 | (B,145,126) (B,139,126) | RS1/16S470J RS1/16S470J | |
| N 221 | (B,76,69) | NO 1/100 1000 | | H 320 | (D, 139, 120) | NO 1/1004/00 | |
| R 222 | (B,78,87) | RS1/16S103J | | R 327 | (A,151,127) | RS1/16S223J | |
| R 240 | (B,83,99) | RS1/16S223J | | R 328 | (A,145,127) | RS1/16S223J | |
| R 241 | (B,83,101) | RS1/16S223J | | R 329 | (B,136,128) | RS1/16S470J | |
| R 242 | (B,84,96) | RS1/16S153J | | R 330 | (B,136,134) | RS1/16S470J | |
| R 243 | (B,67,96) | RS1/16S153J | | R 331 | (A,142,127) | RS1/16S223J | |
| | (5.50.0.1) | D0.//.D0. | | | (* | D0.//.c0cc.1 | |
| R 244 | (B,72,91) | RS1/16S101J | | R 332 | (A,134,130) | RS1/16S223J | |
| R 247 | (B,75,70) | RS1/16S101J | | R 333 | (A,145,118) | RS1/16S102J | |
| R 248 R 249 | (B,79,65) | RS1/16S473J RS1/16S473J | | R 351 R 352 | (B,99,147) (A,125,121) | RS1/16S103J RS1/16S103J | Ε |
| R 261 | (B,77,65) (B,58,66) | RS1/16S681J | | R 353 | (A,125,121) (A,125,126) | RS1/16S103J | |
| 11 201 | (2,00,00) | 1101/1000010 | | 11 000 | (11,120,120) | 1101/1001000 | |
| R 262 | (B,58,62) | RS1/16S681J | | R 354 | (A,122,125) | RS1/16S331J | |
| R 263 | (A,69,66) | RAB4C123J | | R 371 | (B,91,108) | RS1/16S0R0J | |
| R 264 | (B,69,63) | RAB4C223J | | R 372 | (B,100,110) | RS1/16S473J | |
| R 265 | (A,103,63) | RS1/16S681J | | R 373 | (B,130,78) | RS1/16S104J | |
| R 266 | (A,91,62) | RS1/16S681J | | R 391 | (A,39,54) | RS1/16S103J | |
| D 007 | (4.04.00) | D04/400004 ! | | D 000 | (A 40 CT) | D04/4000001 | |
| R 267 | (A,91,63) | RS1/16S681J | | R 392 | (A,40,65) | RS1/16S223J | |
| R 268 R 269 | (A,103,66) (A,102,66) | RS1/16S681J RS1/16S681J | | R 393 R 394 | (A,38,65) (A,37,65) | RS1/16S103J RS1/16S473J | |
| R 209 R 270 | (A,102,66) (A,100,66) | RS1/16S681J | | R 405 | (B,167,114) | RS1/16S681J | |
| R 271 | (A, 100,00) (A,77,72) | RS1/16S0R0J | | R 406 | (B,173,130) | RS1/16S681J | F |
| _· · | | | | | , , -, - - -, | | |
| R 273 | (A,82,67) | RS1/16S0R0J | | R 407 | (B,173,132) | RS1/16S681J | |
| R 274 | (A,87,72) | RS1/16S0R0J | | R 408 | (B,173,134) | RS1/16S681J | |
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| | <u>Cir</u> | cuit Symbol and No. | Part No. | <u>c</u> | ircuit Symbol and No. | Part No. |
| | R 409 | (B,173,136) | RS1/16S681J | R 661 | (B,155,49) | RS1/16S222J |
| | R 410 | (B,174,140) | RS1/16S681J | R 662 | (A,153,59) | RS1/16S102J |
| | R 433 | (A,43,113) | RS1/16S0R0J | R 664 | (B,155,53) | RS1/16S473J |
| Α | D 404 | (4.54.400) | D04/4000D04 | D 005 | (* 150.01) | D04/4004001 |
| | R 434 | (A,51,103) | RS1/16S0R0J | R 665 | (A,156,61) | RS1/16S183J |
| | R 441 R 442 | (B,44,131) (B,51,131) | RS1/16S223J RS1/16S223J | R 671 R 672 | (B,13,140) (B,15,140) | RS1/16S102J RS1/16S102J |
| | R 443 | (B,44,127) | RS1/16S103J | R 681 | (B,149,50) | RS1/16S102J |
| | R 444 | (B,51,127) | RS1/16S103J | R 701 | (B,96,43) | RS1/16S682J |
| | | (=,= ,, .=.) | | | (=,00,10) | |
| | R 445 | (B,42,131) | RS1/16S103J | R 702 | (B,96,47) | RS1/16S682J |
| | R 446 | (B,53,131) | RS1/16S103J | R 703 | (A,98,47) | RS1/16S682J |
| | R 447 | (A,40,121) | RS1/16S103J | R 704 | (A,98,50) | RS1/16S682J |
| | R 448 | (A,40,119) | RS1/16S103J | R 705 | (B,96,51) | RS1/16S221J |
| | R 449 | (A,39,123) | RS1/16S103J | R 706 | (B,108,49) | RS1/16S221J |
| В | D 450 | (A FO 100) | DC1/16C100 I | D 707 | (P. 06. 40) | DC1/16C001 I |
| | R 450 R 451 | (A,52,122) (A,45,116) | RS1/16S103J RS1/16S104J | R 707 R 708 | (B,96,49) (B,108,47) | RS1/16S221J RS1/16S221J |
| | R 452 | (A,43,110) (A,47,117) | RS1/16S104J | R 709 | (B,96,45) | RS1/16S221J |
| | R 501 | (B,95,24) | RS1/16S681J | R 710 | (B,108,45) | RS1/16S681J |
| | R 502 | (B,95,26) | RS1/16S681J | R 711 | (B,106,40) | RS1/16S473J |
| | | (=,==,==) | | | (=,:::,::) | |
| | R 503 | (B,89,31) | RAB4C681J | R 712 | (A,116,69) | RS1/16S104J |
| | R 511 | (B,65,49) | RS1/16S182J | R 721 | (B,24,65) | RS1/4SA391J |
| | R 512 | (B,82,40) | RAB4C681J | R 751 | (B,135,39) | RS1/16S393J |
| | R 513 | (B,65,51) | RS1/16S332J | R 752 | (B,129,51) | RS1/16S104J |
| | R 514 | (B,61,51) | RS1/16S332J | R 753 | (B,135,41) | RS1/16S472J |
| | D 545 | (D.00.40) | DAD40004 I | D 754 | (D. 405.07) | D04/400474 I |
| С | R 515 R 516 | (B,89,40) | RAB4C681J RS1/16S182J | R 754 R 755 | (B,135,37) | RS1/16S471J RS1/16S273J |
| Ū | R 521 | (B,65,53) (B,82,31) | RAB4C101J | R 757 | (B,133,48) (B,121,31) | RS1/16S104J |
| | R 522 | (B,88,25) | RS1/16S101J | R 758 | (B,119,35) | RS1/16S222J |
| | R 523 | (B,88,23) | RS1/16S101J | R 759 | (B,120,38) | RS1/16S471J |
| | | (=,==,==) | | | (=,:==,==) | |
| | R 531 | (B,51,42) | RS1/16S223J | R 760 | (B,120,28) | RS1/16S471J |
| | R 532 | (B,49,43) | RS1/16S102J | R 761 | (B,115,39) | RS1/16S473J |
| | R 552 | (B,45,69) | RS1/16S0R0J | R 762 | (B,112,40) | RS1/16S473J |
| | R 554 | (B,43,69) | RS1/16S102J | R 763 | (B,118,52) | RS1/16S103J |
| | R 555 | (B,41,51) | RS1/16S220J | R 764 | (B,129,53) | RS1/16S103J |
| | D 556 | (D.E.2.40) | DC1/16C100 I | D 765 | (P.110.46) | DC1/16C470 I |
| | R 556 R 557 | (B,53,49) (B,48,54) | RS1/16S102J RS1/16S0R0J | R 765 R 766 | (B,112,46) (B,112,44) | RS1/16S473J RS1/16S473J |
| D | R 601 | (B,131,87) | RS1/16S104J | R 767 | (B,120,52) | RS1/16S472J |
| | R 603 | (B,131,85) | RS1/16S104J | R 768 | (B,118,47) | RS1/16S103J |
| | R 604 | (A,135,52) | RS1/16S103J | R 769 | (B,124,51) | RS1/16S682J |
| | | , , , | | | , , , | |
| | R 605 | (B,131,83) | RS1/16S104J | R 770 | (B,136,34) | RS1/16S333J |
| | R 606 | (A,139,81) | RS1/16S102J | R 771 | (B,136,30) | RS1/16S332J |
| | R 607 | (B,132,73) | RS1/16S104J | R 773 | (B,117,50) | RS1/16S0R0J |
| | R 608 | (A,126,82) | RS1/16S104J | R 774 | (B,128,30) | RS1/16S473J |
| | R 609 | (A,119,71) | RS1/16S102J | R 775 | (B,130,38) | RS1/16S473J |
| | R 611 | (B,141,83) | RS1/16S472J | R 776 | (B,139,27) | RS1/16S473J |
| | R 613 | (B,140,85) | RS1/16S472J | R 777 | (B,140,30) | RS1/16S473J |
| _ | R 615 | (B,135,65) | RS1/16S104J | R 791 | (B,107,69) | RS1/16S122J |
| E | R 616 | (B,135,69) | RS1/16S104J | R 792 | (A,54,105) | RS1/16S821J |
| | R 617 | (A,142,53) | RAB4C104J | R 793 | (A,39,94) | RS1/16S152J |
| | | | | | | |
| | R 619 | (B,146,66) | RS1/16S0R0J | R 801 | (A,152,42) | RS1/16S102J |
| | R 621 | (A,119,60) | RAB4C104J | R 802 | (A,142,42) | RS1/16S102J |
| | R 625 | (A,119,69) | RS1/16S104J | R 803 | (B,149,38) | RS1/16S103J |
| | R 627 R 628 | (A,134,82) | RAB4C681J RS1/16S681J | R 804 R 806 | (B,143,41) | RS1/16S563J RS1/16S102J |
| | N 020 | (A,131,81) | N31/1030013 | n 000 | (B,152,42) | NS1/1031020 |
| | R 629 | (B,127,78) | RS1/16S681J | R 807 | (A,151,18) | RS1/4SA102J |
| | R 631 | (A,116,64) | RS1/16S104J | R 808 | (B,152,38) | RS1/16S102J |
| | R 632 | (A,131,52) | RS1/16S104J | R 811 | (B,110,26) | RS1/16S222J |
| F | R 633 | (B,136,57) | RS1/16S104J | R 812 | (B,112,18) | RS1/16S222J |
| 1 | R 636 | (A,120,57) | RS1/16S0R0J | R 813 | (B,110,28) | RS1/16S222J |
| | | | | | | |
| | R 640 | (A,120,55) | RS1/16S0R0J | R 814 | (B,115,17) | RS1/16S222J |
| | R 652 | (A,149,76) | RS1/16S104J | R 815 | (A,116,27) | RS1/16S222J |
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| <u>Cir</u> | cuit Symbol and No. | Part No. | Circ | uit Symbol and No. | Part No. | |
| R 816 | (B,117,17) | RS1/16S222J | C 151 | (B,129,113) | CKSRYB105K10 | |
| R 817 | (B,120,17) | RS1/16S222J | C 201 | (B,54,81) | CKSRYB104K16 | |
| R 818 | (A,118,27) | RS1/16S222J | C 202 | (B,56,82) | CKSRYB682K50 | |
| 11 010 | (11,110,21) | 1101/1002220 | 0 202 | (2,00,02) | ONON DOOLNOO | Α |
| R 819 | (A,120,27) | RS1/16S104J | C 203 | (B,56,76) | CKSRYB104K16 | |
| R 820 | (B,107,21) | RS1/16S223J | C 204 | (B,54,74) | CKSRYB104K16 | |
| R 821 | (B,109,12) | RS1/16S473J | C 205 | (A,51,83) | CEJQ100M16 | |
| R 831 | (B,70,15) | RS1/16S473J | C 206 | (A,51,77) | CEJQ100M16 | |
| R 832 | (B,72,27) | RS1/16S821J | C 200 | (A,51,77) (A,51,72) | CEJQ100M16 | |
| H 002 | (0,72,27) | NO 1/ 10302 13 | 0 201 | (A,51,72) | CESQTOOMTO | |
| D 000 | (B 80 00) | DC1/16C000 I | C 200 | (D.50.04) | CKCD/D104K16 | |
| R 833 | (B,80,23) | RS1/16S222J | C 208 | (B,58,84) | CKSRYB104K16 | |
| R 841 | (A,39,24) | RS1/16S1R0J | C 209 | (B,57,87) | CCSRCH8R0D50 | |
| R 842 | (A,37,33) | RS1/4SA271J | C 210 | (B,62,76) | CKSRYB104K16 | |
| R 851 | (B,63,27) | RS1/16S1R0J | C 211 | (B,62,87) | CCSRCH8R0D50 | |
| R 852 | (B,59,20) | RS1/4SA391J | C 212 | (B,63,79) | CKSRYB104K16 | |
| | | | | | | _ |
| R 853 | (A,134,34) | RS1/16S562J | C 213 | (B,64,75) | CKSRYB104K16 | В |
| R 854 | (A,132,37) | RS1/16S103J | C 214 | (B,63,82) | CCSRCH680J50 | |
| R 855 | (A,89,16) | RS1/16S151J | C 215 | (B,65,79) | CKSRYB104K16 | |
| R 901 | (B,22,56) | RS1/16S223J | C 216 | (B,68,67) | CCSRCH680J50 | |
| R 902 | (A,36,50) | RS1/16S272J | C 217 | (B,50,88) | CKSYB106K6R3 | |
| | , , , | | | , , , | | |
| R 911 | (A,22,116) | RS1/16S821J | C 220 | (B,65,94) | CKSRYB103K50 | _ |
| R 921 | (B,16,85) | RS1/16S821J | C 221 | (B,81,86) | CCSRCH101J50 | |
| R 931 | (A,69,116) | RS1/16S104J | C 224 | (A,81,77) | CEVW100M10 | |
| R 932 | (A,75,118) | RS1/16S103J | C 225 | (A,83,83) | CKSRYB104K16 | |
| R 933 | , , , | RS1/16S473J | C 226 | | CSZS100M16 | |
| n 933 | (B,70,121) | NS 1/1034/3J | C 226 | (A,87,77) | C323100W10 | |
| D 004 | (D.00.404) | DO4/4004701 | 0.007 | (4.04.00) | OKOD/D404K40 | |
| R 934 | (B,68,121) | RS1/16S473J | C 227 | (A,84,83) | CKSRYB104K16 | С |
| R 935 | (B,72,121) | RS1/16S472J | C 228 | (A,93,87) | CEVW100M10 | C |
| R 941 | (A,82,118) | RS1/16S103J | C 229 | (A,93,81) | CEVW100M10 | |
| R 951 | (A,91,119) | RS1/16S102J | C 230 | (A,93,76) | CEVW100M10 | |
| R 952 | (A,89,121) | RS1/16S472J | C 231 | (A,93,70) | CEVW100M10 | |
| | | | | | | |
| R 953 | (A,92,124) | RS1/16S472J | C 232 | (A,93,98) | CEVW100M10 | |
| R 954 | (A,90,124) | RS1/16S153J | C 233 | (A,93,92) | CEVW100M10 | • |
| R 971 | (A,52,119) | RS1/16S391J | C 240 | (B,82,96) | CCSRCH220J50 | _ |
| R 972 | (B,65,120) | RS1/16S1R0J | C 241 | (B,69,96) | CCSRCH220J50 | |
| R 981 | (B,79,112) | RS1/16S102J | C 242 | (B,86,95) | CKSRYB104K16 | |
| | (=,: 0, : :=) | | 0 | (=,00,00) | 0.10.1.12.10.11.10 | |
| R 982 | (B,82,111) | RS1/16S153J | C 243 | (B,66,71) | CKSRYB332K50 | |
| R 983 | (B,75,118) | RS1/16S102J | C 244 | (A,73,79) | CKSYB106K6R3 | |
| n 903 | (6,75,116) | H31/1031023 | | | CKSYB106K6R3 | D |
| O A D A O I | TO DO | | C 245 | (A,73,74) | | _ |
| CAPACI | IURS | | C 246 | (B,58,70) | CKSRYB332K50 | |
| | | | C 247 | (B,70,86) | CKSYB106K6R3 | |
| C 101 | (B,34,134) | CKSRYB104K16 | | | | |
| C 102 | (B,35,144) | CKSRYB102K50 | C 250 | (A,73,69) | CKSYB106K6R3 | |
| C 103 | (B,39,144) | CKSRYB102K50 | C 251 | (A,74,63) | CKSYB106K6R3 | |
| C 121 | (A,114,106) | CKSQYB225K10 | C 252 | (B,78,48) | CKSRYB104K16 | |
| C 122 | (A,114,104) | CKSQYB225K10 | C 261 | (A,56,68) | CKSRYB104K16 | |
| | , | | C 262 | (A,98,66) | CKSRYB104K16 | |
| C 123 | (A,114,108) | CKSQYB225K10 | | | | |
| C 124 | (A,114,102) | CKSQYB225K10 | C 272 | (A,81,69) | CCSRCH560J50 | |
| C 125 | (A,120,106) | CKSRYB105K10 | C 273 | (A,85,70) | CKSRYB103K50 | |
| C 126 | (A,120,104) | CKSRYB105K10 | C 281 | (A,98,91) | CCSRCH681J50 | _ |
| C 127 | (A,120,102) | CKSRYB104K16 | C 282 | (A,98,99) | CCSRCH681J50 | Е |
| 0 127 | (A, 120, 102) | CKSHTB104K10 | C 283 | (A,101,94) | CCSRCH331J50 | |
| 0.400 | (4 100 101) | CKCDVD404K4C | 0 200 | (71,101,04) | 00011011001000 | |
| C 128 | (A,120,101) | CKSRYB104K16 | C 284 | (4 101 06) | CCSRCH331J50 | |
| C 129 | (A,120,94) | CEJQ4R7M35 | | (A,101,96) | | |
| C 130 | (A,126,94) | CEJQ4R7M35 | C 285 | (B,96,89) | CKSRYB105K10 | |
| C 131 | (A,117,98) | CKSQYB225K10 | C 286 | (B,104,98) | CKSRYB105K10 | _ |
| C 132 | (A,114,113) | CKSYB475K10 | C 287 | (B,95,100) | CKSRYB104K16 | |
| | | | C 291 | (A,98,70) | CCSRCH681J50 | |
| C 133 | (A,114,111) | CKSYB475K10 | | | | |
| C 134 | (A,127,113) | CKSRYB105K10 | C 292 | (A,98,77) | CCSRCH681J50 | |
| C 135 | (A,130,113) | CKSRYB105K10 | C 293 | (A,101,73) | CCSRCH331J50 | |
| C 136 | (A,122,117) | CEJQ470M10 | C 294 | (A,101,74) | CCSRCH331J50 | |
| C 137 | (A,129,117) | CEJQ470M10 | C 295 | (B,96,68) | CKSRYB105K10 | F |
| | (,,, | | C 296 | (B,104,74) | CKSRYB105K10 | Г |
| C 138 | (A,107,90) | CKSRYB104K16 | | | | |
| C 139 | (B,119,111) | CKSRYB105K10 | C 297 | (B,89,76) | CKSRYB104K16 | |
| 0 108 | (11,112,111) | טו אכטו ם ו חפאט | C 301 | (A,98,80) | CCSRCH681J50 | |
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|---|----------------|--------------------------------------|------------------------------|----------------|--------------------------|------------------------------|
| | Cir | cuit Symbol and No | . Part No. | | Circuit Symbol ar | nd No. Part No. |
| | C 302 | (A,98,88) | CCSRCH681J50 | C 563 | (B,63,33) | CKSYB475K10 |
| | C 303 | (A,101,83) | CCSRCH331J50 | C 566 | (B,45,37) | CKSRYB104K16 |
| | C 304 | (A,101,85) | CCSRCH331J50 | C 567 | (B,55,40) | CKSRYB103K50 |
| Α | | (=) | | | ·= · | |
| | C 305 | (B,96,79) | CKSRYB105K10 | C 568 | (B,55,38) | CKSRYB105K6R3 |
| | C 306 C 307 | (B,104,86) (B,89,87) | CKSRYB105K10 CKSRYB104K16 | C 601 C 602 | (A,128,83) (A,140,84) | CKSRYB104K16 CKSRYB104K16 |
| | C 307 | (A,153,122) | CEJQNP100M10 | C 602 | (A,124,83) | CKSRYB104K16 |
| | C 322 | (A,147,122) | CEJQNP100M10 | C 605 | (B,137,89) | CKSRYB103K50 |
| | | (, , , . ==/ | | | (=,:::,::) | 51.51.1.2.1.00 |
| | C 323 | (A,140,122) | CEJQNP100M10 | C 606 | (A,134,90) | CEJQ4R7M35 |
| | C 324 | (A,134,122) | CEJQNP100M10 | C 607 | (B,151,68) | CCSRCH7R0D50 |
| | C 325 | (A,130,127) | CEJQNP100M10 | C 608 | (B,151,64) | CCSRCH7R0D50 |
| | C 326 C 327 | (A,131,133) | CEJQNP100M10 CKSRYB102K50 | C 610 C 611 | (A,118,65) | CKSRYB104K16 CKSRYB104K16 |
| | U 321 | (A,154,134) | CKSH1D102K30 | C 611 | (A,138,53) | CK3N1B104K10 |
| В | C 328 | (A,149,115) | CEJQ220M16 | C 612 | (A,134,54) | CKSRYB104K16 |
| | C 351 | (B,129,123) | CKSQYB474K16 | C 613 | | CCSRCH331J50 |
| | C 352 | (B,124,124) | CKSQYB474K16 | C 662 | | CKSRYB104K16 |
| | C 353 | (B,126,123) | CKSQYB474K16 | C 663 | (A,156,59) | CKSRYB105K10 |
| | C 354 | (B,122,124) | CKSQYB474K16 | C 721 | (B,30,74) | CKSRYB473K25 |
| | 0.055 | (4.447.400) | 05.100001440 | 0.700 | (D. 00. 07) | 01(05)(5400)(50 |
| | C 355 C 357 | (A,117,122) (A,86,125) 3 300 μF/1 | CEJQ330M10 6 V CCH1486 | C 722 C 723 | | CKSRYB102K50 CEJQ101M10 |
| | C 358 | (B,95,140) | CKSRYB104K25 | C 743 | (A,29,65) (A,96,54) | CEJQ101M10 |
| | C 359 | (A,124,130) | CEHAR100M16 | C 751 | (A,138,41) | CEJQ4R7M35 |
| | C 360 | (A,124,135) | CKSQYB225K10 | C 752 | | CEJQ1R0M50 |
| | | | | | | |
| С | C 361 | (A,126,135) | CKSQYB225K10 | C 753 | (A,138,35) | CEJQ4R7M35 |
| C | C 363 | (B,122,140) | CKSRYB474K10 | C 754 | (B,112,38) | CKSRYB104K16 |
| | C 364 C 365 | (B,121,135) (B,122,138) | CKSRYB474K10 CKSRYB474K10 | C 755 C 756 | (B,119,31) (B,121,35) | CKSRYB102K50 CCSRCH101J50 |
| | C 366 | (B,121,133) | CKSRYB474K10 | C 758 | (B,121,33) (B,134,30) | CKSRYB105K10 |
| | 0 000 | (2,121,100) | | 0 700 | (=,:0:,00) | 01.011.21.001.10 |
| | C 371 | (B,94,112) | CKSRYB104K16 | C 759 | (B,124,53) | CKSRYB104K16 |
| | C 372 | (B,99,112) | CKSRYB104K16 | C 760 | (B,122,39) | CKSRYB104K16 |
| | C 373 | (B,99,108) | CKSRYB104K16 | C 761 | (B,128,28) | CKSRYB104K16 |
| | C 374 C 378 | (A,110,116) (B,98,114) | CEAL100M16 CKSRYB105K10 | C 762 C 763 | (B,118,45) (B,119,49) | CKSRYB472K50 CKSRYB102K50 |
| | 0 370 | (0,90,114) | CKSHTDTOSKTO | 0 703 | (D,119,49) | CKSHTBT02K30 |
| | C 401 | (B,173,109) | CKSRYB103K50 | C 764 | (B,112,48) | CKSRYB104K16 |
| _ | C 402 | (B,156,111) | CKSRYB102K50 | C 765 | (B,134,34) | CKSRYB471K50 |
| D | C 403 | (A,160,111) | CEJQ470M10 | C 768 | | CKSRYB104K16 |
| | C 404 | (B,167,110) | CKSYB475K10 | C 769 | (B,75,112) | CKSRYB153K50 |
| | C 405 | (B,174,142) | CKSRYB103K50 | C 791 | (B,115,71) | CKSRYB103K50 |
| | C 406 | (A,160,118) | CEJQ101M10 | C 792 | (A,66,107) | CEJQ470M10 |
| | C 408 | (B,160,114) | CKSRYB102K50 | C 793 | | CKSRYB103K50 |
| | C 421 | (A,161,96) | CEJQ220M16 | C 794 | | CCH1325 |
| | C 422 | (B,157,93) | CKSRYB103K50 | C 795 | (A,71,111) | CEJQ101M10 |
| | C 423 | (B,156,83) | CKSYB475K10 | C 796 | (A,44,90) | CKSRYB103K50 |
| | C 424 | (B,135,97) | CKSRYB103K50 | C 801 | (B,143,43) | CKSRYB103K50 |
| | C 432 | (A,33,117) | CKSQYB105K16 | C 802 | · · · · / | CKSRYB102K50 |
| _ | C 433 | (A,36,118) | CKSQYB105K16 | C 803 | | CCSRCH101J50 |
| Ε | C 441 | (B,42,127) | CKSQYB225K10 | C 804 | | CCSRCH101J50 |
| | C 442 | (B,53,127) | CKSQYB225K10 | C 806 | (B,156,27) | CKSRYB102K50 |
| | 0.440 | (D. 40. 400) | O1/OO//Door!/40 | 0.007 | (A 457.00) | 01/07/704041/40 |
| | C 443 C 444 | (B,43,123) (B,50,123) | CKSQYB225K10 CKSQYB225K10 | C 807 C 808 | (A,157,20) (A,154,24) | CKSRYB104K16 CEVW220M16 |
| | C 444 | (A,41,123) | CCSRCH101J50 | C 831 | (B,80,21) | CKSRYB104K16 |
| | C 446 | (A,51,122) | CCSRCH101J50 | C 832 | | CEVW470M10 |
| | C 447 | (A,45,118) | CKSRYB105K10 | C 841 | (A,57,12) | CEVW470M16 |
| | | (4.45=) | | _ | / - : | |
| | C 448 | (A,40,115) | CEVW100M10 | C 842 | · · · · / | CKSRYB104K16 |
| | C 501 C 511 | (B,99,22) (B,94,37) | CKSRYB104K16 CKSRYB104K16 | C 843 C 844 | · · · · / | CKSRYB102K50 CEJQ330M16 |
| _ | C 511 | (B,84,37) (B,84,18) | CKSRYB104K16 | C 844 | (A,36,29) (B,65,15) | CKSRYB473K25 |
| F | C 554 | (A,46,63) | CEJQ330M10 | C 852 | · · · · / | CKSRYB104K16 |
| | | , , , | | | | |
| | C 561 | (A,51,66) | CEJQ220M16 | C 861 | (A,61,97) | CKSRYB105K6R3 |
| | C 562 | (B,63,43) | CKSRYB103K50 | C 862 | (A,61,99) | CKSRYB103K50 |
| | 66 | ı - | | 980BT/XN/UC | | |
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|-------------------------|--------------------------------------|---|------------------|--|-----------------------------|----|
| Cir | cuit Symbol and No. | Part No. | Circ | uit Symbol and No. | Part No. | |
| C 863 C 871 C 873 | (A,68,98) (A,43,75) (A,41,79) | CKSRYB104K16 CKSRYB104K16 CEVW101M6R3 | IC 601 IC 661 | (A,133,67) IC (A,155,66) IC | PEG261A S-80835CNUA-B8U | |
| C 8/3 | (A,41,79) | CEVWIUTWORS | IC 751 | (B,112,34) IC | NJM4558MD | Α |
| C 875 | (A,38,85) | CKSRYB105K10 | IC 752 | (B,126,47) IC | NJM4151M | |
| C 877 | (A,49,99) | CEVW101M6R3 | IC 753 | (B,127,34) IC | NJM4558MD | |
| C 878 | (A,55,100) | CKSRYB103K50 | IC 754 | (B,113,51) IC | TC7S14FU | |
| C 879 C 901 | (B,49,98) (A,27,47) 2 200 μF/16 V | CKSYB475K10 CCH1405 | IC 801 | (A,147,40) IC | BA6288FS | |
| C 903 | (B,28,62) | CKSRYB472K50 | IC 861 IC 871 | (A,65,98) IC (B,57,99) IC | NJM2872F05 NJM2885DL1-33 | |
| C 904 | (B,28,52) | CKSRYB103K50 | Q 101 | (A,22,121) Transistor | UMF23N | |
| C 905 | (A,28,54) | CEJQ470M10 | Q 121 | (A,111,89) Transistor | UMD3N | |
| C 911 C 912 | (A,32,109) (B,13,117) | CEJQ221M10 CKSRYB103K50 | Q 181 | (A,105,120) Transistor | 2SC3052-12 | |
| | | | Q 182 | (A,108,130) Transistor | UMD3N | ь |
| C 913 | (A,13,120) | CEJQ101M10 | Q 183 | (B,115,93) Transistor | 2SC4081 | В |
| C 921 C 922 | (A,31,99) 470 μF/16 V (B,30,81) | CCH1325 CKSRYB103K50 | Q 281 Q 282 | (A,104,95) Transistor (A,106,66) Transistor | UMH3N UMD3N | |
| C 922 | (A,30,77) | CEJQ101M10 | Q 291 | (A,104,73) Transistor | UMH3N | |
| C 932 | (B,74,121) | CKSRYB104K16 | | , | | |
| 0.044 | (A 00 114) | OKOONB405K40 | Q 301 | (A,104,84) Transistor | UMH3N | |
| C 941 C 963 | (A,83,114) (A,77,135) | CKSQYB105K16 CKSQYB105K10 | Q 321 Q 322 | (A,154,131) Transistor (A,148,127) Transistor | IMH23 IMH23 | |
| C 964 | (B,74,132) | CKSQYB105K16 | Q 323 | (A,139,127) Transistor | IMH23 | |
| C 965 | (B,72,132) | CKSQYB105K16 | Q 324 | (A,144,114) Transistor | UMD3N | |
| C 966 | (B,73,145) | CKSQYB105K16 | Q 351 | (A,125,124) Transistor | DTC124EUA | |
| C 967 | (A,74,135) | CKSQYB105K16 | Q 391 | (A,39,58) Transistor | 2SC4081 | |
| C 968 | (A,72,135) | CKSQYB105K16 | Q 431 | (A,46,114) Transistor | UMD3N | С |
| C 969 | (A,69,135) | CKSQYB105K16 | Q 531 | (B,55,43) Transistor | DTC314TU | |
| C 971 C 972 | (B,63,112) (B,62,116) | CKSRYB103K50 CKSRYB103K50 | Q 601 | (B,115,64) Transistor | UMD3N | |
| | | | Q 661 | (B,155,56) Transistor | 2SC4081 | |
| C 973 | (A,64,116) | CEJQ100M16 | Q 721 | (A,18,74) Transistor | 2SD2396 | |
| C 981 | (B,82,113) | CKSRYB104K16 | Q 722 Q 791 | (A,36,72) Transistor (B,57,107) Transistor | UMD3N 2SD1760F5 | |
| Λ | | | Q 791 Q 792 | (A,57,103) Transistor | UMD3N | |
| La. Unit Nu | ımber: CWN1438 | (DEH_D0850RT/YN/ES) | Q 793 | (B,111,69) Transistor | 2SC4081 | |
| | | - | Q 794 | (A,39,96) Transistor | 2SC4081 | |
| OIIII INA | ime : Tuner Am | p offic | Q 795 | (A,39,90) Transistor | UMD3N | D |
| MISCELI | LANEOUS | | Q 801 Q 812 | (B,151,22) Transistor (A,153,18) Transistor | 2SD1760F5 UMD3N | D |
| 10.404 | (D 04 440) 10 | 11440044ED | | , | | |
| IC 101 IC 121 | (B,31,140) IC (A,129,104) IC | HA12241FP PM9009A | Q 831 | (A,68,17) Transistor | 2SB710A | |
| IC 121 | (A,111,94) IC | TC4066BFT | Q 832 Q 841 | (B,76,27) Transistor (A,34,19) Transistor | DTC114EU 2SD1760F5 | |
| IC 201 | (A,61,77) IC | AK7732VT | Q 842 | (A,38,36) Transistor | UMD3N | |
| IC 221 | (A,76,86) IC | PCM1606EG | Q 851 | (B,63,24) Transistor | 2SD1767 | _ |
| IC 240 | (B,75,96) IC | NJM4558MD | Q 852 | (A,66,9) Transistor | UMD3N | |
| IC 241 | (B,78,53) IC | NJM4558MD | Q 853 | (A,132,34) Transistor | 2SC4081 | |
| IC 261 | (A,58,64) IC | TC74VHCT08AFTS1 | Q 901 | (A,18,57) Transistor | 2SD2396 | |
| IC 262 IC 271 | (A,96,62) IC (A,81,71) IC | TC74VHC08FTS1 TC7SH08FUS1 | Q 902 Q 911 | (A,34,50) Transistor (A,18,103) Transistor | UMD3N 2SD2396 | Е |
| | , | | | , | 2502396 | |
| IC 281 | (B,96,96) IC | NJM4558MD | Q 912 | (A,22,118) Transistor | UMD3N | |
| IC 282 IC 283 | (B,96,74) IC (B,95,85) IC | NJM4558MD NJM4558MD | Q 921 | (A,18,87) Transistor | 2SD2396 | |
| IC 351 | (A,102,139) IC | PAL007B | Q 922 Q 931 | (B,23,80) Transistor (A,75,116) Transistor | UMD3N UMX1N | |
| IC 371 | (A,99,110) IC | PM8003A | Q 941 | (A,83,116) Transistor | DTC114EU | |
| IC 421 | (B,160,88) IC | NJM2885DL1-33 | Q 951 | (A,92,121) Transistor | 2SA1576 | |
| IC 431 | (A,48,108) IC | TC4066BFT | Q 971 | (A,51,115) Transistor | UMD3N | |
| IC 441 | (A,46,122) IC | NJM4558MD | Q 972 | (A,57,117) Transistor | 2SD1859 | |
| IC 501 IC 511 | (A,95,28) IC (A,95,39) IC | TC74VHCT08AFTS1 TC74VHC08FTS1 | D 121 | (B,128,115) Diode | RB520S-30 | |
| 10 011 | (1,00,00) | 107-1110001 101 | D 132 | (B,124,112) Diode | 1SS355 | F |
| IC 521 | (A,99,20) IC | S99-50084 | D 133 | (B,124,108) Diode | RB521S-30 | |
| IC 561 | (B,65,38) IC | NJM2885DL1-33 | D 134 | (B,124,110) Diode | RB521S-30 | |
| IC 566 | (B,50,39) IC | NJM2872F05 | D 181 | (A,107,127) Diode | HZU3R9(B1) | |
| | 5 - | DEH-P | 980BT/XN/UC | 7 - | 8 | 67 |
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| | Circ | uit Symbol and No. | Part No. | Circ | uit Symbol and No. | Part No. |
| | D 281 | (A,107,73) Diode | DAN202U | L 271 | (A,83,70) Inductor | CTF1389 |
| | D 321 | (A,138,117) Diode | 1SS133 | L 272 | (A,84,72) Inductor | CTF1379 |
| Α | D 351 | (A,117,130) Diode | MPG06G-6415G50 | L 371 | (B,97,110) Inductor | CTF1379 |
| | D 352 | (A,117,127) Diode | MPG06G-6415G50 | L 401 | (A,160,105) Inductor | LAU1R0K |
| | D 391 | (A,44,69) Diode | DAN202U | L 402 | (A,154,106) Ferri-Inductor | LAU100K |
| | D 392 | (A,43,72) Diode | HZU9L(A2) | L 403 | (A,154,114) Inductor | LAU1R0K |
| | D 421 | (A,161,84) Diode | 1SR154-400 | L 404 | (B,167,149) Chip Coil | LCTAW4R7J2520 |
| | D 422 | (A,161,88) Diode | 1SR154-400 | L 501 | (B,95,22) Inductor | CTF1379 |
| | D 423 D 431 | (A,161,91) Diode (A,32,125) Diode | 1SR154-400 RSB6R8S | L 511 L 521 | (B,94,35) Inductor (B,84,23) Inductor | CTF1379 CTF1379 |
| | D 441 | (B,39,118) Diode | RSB6R8S | L 554 | (B,60,45) Inductor | CTF1379 |
| | D 442 | (B,50,121) Diode | RSB6R8S | L 604 | (A,139,90) Ferri-Inductor | LAU100K |
| | D 531 | (B,53,46) Diode | 1SS355 | L 701 | (A,101,27) Inductor | LCTAW2R2J3225 |
| В | D 551 | (B,54,59) Diode | DAN202U | L 831 | (A,76,17) Ferri-Inductor | LAU100K |
| | D 601 | (B,121,61) Diode | DAN202U | L 841 | (A,57,18) Inductor | LAU2R2K |
| | D 721 | (A,30,72) Diode | HZS9L(A2) | L 872 L 951 | (A,41,85) Inductor | CTF1617 |
| | D 751 | (B,135,51) Diode Network | DA204U | L 951 | (A,86,115) Inductor | LAU2R2K |
| | D 752 | (B,126,39) Diode Network | DA204U | X 201 | (A,59,91)Crystal Resonator | |
| | D 791 D 792 | (B,110,73) Diode (B,80,109) Diode | HZU6L(B1) HZU7L(A1) | X 371 X 601 | (A,87,107)Ceramic Resona (A,149,67)Crystal Resonato | |
| | D 792 D 793 | (B,40,107) Diode | 1SR154-400 | VR121 | (A,120,112)Semi-fixed 15 k | |
| | D 794 | (A,42,90) Diode | HZU9L(B2) | FU321 | (A,136,130) Fuse 3 A | CEK1286 |
| | D 801 | (A,148,30) Diode | 1SS133 | BZ681 | (A,152,50) Buzzer | CPV1062 |
| _ | D 802 | (A,148,34) Diode | 1SS133 | M 972 | Fan Motor | CXM1288 |
| С | D 803 | (A,149,23) Diode | HZU7L(B2) | | FM/AM Tuner Unit | CWE1952 |
| | D 811 D 812 | (B,115,13) Diode (B,124,13) Diode | DAN202U DAP202U | RESISTO | DC | |
| | | , , | | <u>NESIS IO</u> | <u>no</u> | |
| | D 813 | (A,111,27) Diode | DAN202U | R 101 | (B,26,130) | RS1/16S181J |
| _ | D 814 D 815 | (A,107,27) Diode (B,106,15) Diode | DAP202U DAN202U | R 102 | (B,36,124) | RS1/16S181J |
| | D 816 | (B,106,19) Diode | DAP202U | R 103 R 104 | (B,27,124) (B,33,122) | RS1/16S223J RS1/16S223J |
| | D 817 | (B,106,28) Diode | DAN202U | R 105 | (B,29,124) | RS1/16S102J |
| | D 818 | (B,106,24) Diode | DAP202U | R 106 | (B,31,122) | RS1/16S102J |
| | D 841 | (A,36,39) Diode | HZS9L(C2) | R 107 | (B,39,142) | RS1/16S101J |
| D | D 851 | (A,66,13) Diode | HZS11L(A1) | R 108 | (B,39,137) | RS1/16S101J |
| _ | D 853 D 901 | (A,92,13) LED (A,35,59) Diode | SML412BC5T(MN) MPG06G-6415G50 | R 109 | (B,39,140) | RS1/16S150J |
| | | , , | | R 110 | (B,39,138) | RS1/16S470J |
| | D 902 | (A,29,59) Diode | HZS6L(B1) | R 111 | (B,39,135) | RS1/16S102J |
| | D 911 D 921 | (A,13,115) Diode (A,30,83) Diode | HZS9L(B2) HZS9L(B2) | R 112 | (A,26,124) | RS1/16S222J |
| | D 931 | (A,73,117) Diode | HZU7L(A1) | R 113 R 114 | (A,23,124) (A,20,124) | RS1/16S332J RS1/16S562J |
| _ | D 932 | (A,69,118) Diode | HZU7L(C3) | R 122 | (A,139,107) | RS1/16S0R0J |
| | D 941 | (A,79,115) Diode | 1SR154-400 | R 123 | (A,138,103) | RS1/16S0R0J |
| | D 951 | (A,92,127) Diode | DAN202U | R 123 | (A, 138, 103) (A, 138, 114) | RS1/16S0R0J |
| | D 971 | (A,57,114) Diode | HZS11L(B2) | R 125 | (A,138,113) | RS1/16S0R0J |
| Е | D 981 | (B,87,109) Diode Network | DA204U | R 126 | (A,138,109) | RS1/16S0R0J |
| | D 982 | (B,82,117) Diode | HZU7L(C2) | R 127 | (A,138,107) | RS1/16S0R0J |
| | D 991 | (A,98,126) Diode | MPG06G-6415G50 | R 128 | (A,139,103) | RS1/16S0R0J |
| | D 992 | (A,98,121) Diode | MPG06G-6415G50 | R 129 | (A,141,101) | RS1/16S0R0J |
| | D 993 ZNR401 | (A,61,103) Diode (A,161,145)Surge Protector | DAN202U BCCA-201O31UA-PI | R 130 | (A,141,99) | RS1/16S0R0J |
| | L 101 | (B,24,134) Inductor | LCTAW2R2J2520 | R 131 R 132 | (A,141,98) (A,107,89) | RS1/16S0R0J RS1/16S103J |
| | | , , , | | | | |
| | L 121 L 201 | (A,117,117) Inductor (A,55,85) Inductor | ATH1176 CTF1379 | R 133 | (A,114,89) | RS1/16S103J |
| | L 201 L 206 | (B,66,83) Inductor | CTF1379 | R 134 R 135 | (A,133,113) (A,124,113) | RAB4C102J RS1/16S103J |
| | L 208 | (A,63,68) Inductor | CTF1389 | R 181 | (A,124,113) (A,102,130) | RS1/16S104J |
| F | L 221 | (A,84,85) Inductor | CTF1379 | R 182 | (B,110,125) | RS1/16S683J |
| | L 241 | (B,84,52) Inductor | CTF1389 | R 183 | (A,98,130) | RS1/16S153J |
| | L 261 | (A,56,70) Inductor | CTF1379 | R 184 | (B,116,125) | RS1/16S682J |
| | L 262 | (A,95,66) Inductor | CTF1379 | | | |
| _ (| 68 | 1 = | DEH-P980BT | /XN/UC | 3 | 4 |
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| Circ | uit Symbol and No. | Part No. | | Circu | uit Symbol and No. | Part No. | |
| R 185 | (A,104,124) | RS1/16S152J | В | 298 | (B,103,71) | RS1/16S102J | |
| R 186 | (A,104,130) | RS1/16S222J | | 299 | (B,102,74) | RS1/16S101J | |
| R 187 | (A,105,130) | RS1/16S561J | | 300 | (B,89,70) | RS1/16S101J | |
| | | | | | | | Α |
| R 188 | (A,110,130) | RS1/16S473J | | 301 | (A,98,83) | RS1/16S473J | |
| R 189 | (B,107,97) | RS1/16S103J | | 302 | (A,98,85) | RS1/16S473J | |
| R 190 | (B,111,97) | RS1/16S223J | | 303 | (A,98,82) | RS1/16S682J | |
| R 191 | (B,115,97) | RS1/16S104J | | 304 | (A,98,86) | RS1/16S682J | |
| R 201 | (B,54,88) | RS1/16S104J | R | 305 | (A,101,82) | RS1/16S682J | |
| R 202 | (D.50.00) | DC1/16C104 I | Б | 206 | (A 101 0C) | DC1/16C600 I | |
| R 202 | (B,52,88) (B,57,79) | RS1/16S104J RS1/16S153J | | 306 307 | (A,101,86) (B,100,79) | RS1/16S682J RS1/16S102J | |
| R 204 | (B,63,84) | RS1/16S222J | | 308 | (B,103,83) | RS1/16S102J | |
| R 205 | (A,59,68) | RS1/16S681J | | 309 | (B,102,86) | RS1/16S1023 | |
| R 206 | (A,62,87) | RS1/16S101J | | 310 | (B,89,82) | RS1/16S101J | |
| 200 | (* 1,02,01) | | | 0.0 | (2,00,02) | 1.0.7.00.0.0 | |
| R 207 | (A,61,68) | RS1/16S681J | R | 321 | (B,151,128) | RS1/16S470J | В |
| R 208 | (A,67,86) | RAB4C101J | | 322 | (B,149,125) | RS1/16S470J | |
| R 212 | (A,69,76) | RS1/16S101J | R | 323 | (A,157,131) | RS1/16S223J | |
| R 213 | (A,68,71) | RS1/16S101J | R | 324 | (A,154,128) | RS1/16S223J | |
| R 214 | (A,67,71) | RS1/16S101J | R | 325 | (B,145,126) | RS1/16S470J | |
| | (=) | | _ | | (- | | |
| R 221 | (B,78,89) | RS1/16S103J | | 326 | (B,139,126) | RS1/16S470J | |
| R 222 | (B,78,87) | RS1/16S103J | | 327 | (A,151,127) | RS1/16S223J | |
| R 240 | (B,83,99) | RS1/16S223J | | 328 | (A,145,127) | RS1/16S223J | |
| R 241 R 242 | (B,83,101) | RS1/16S223J RS1/16S153J | | 329 330 | (B,136,128) | RS1/16S470J RS1/16S470J | |
| N 242 | (B,84,96) | NO 1/100 1000 | п | 330 | (B,136,134) | N3 1/1034/00 | |
| R 243 | (B,67,96) | RS1/16S153J | В | 331 | (A,142,127) | RS1/16S223J | |
| R 244 | (B,72,91) | RS1/16S101J | | 332 | (A,134,130) | RS1/16S223J | С |
| R 247 | (B,75,70) | RS1/16S101J | | 333 | (A,145,118) | RS1/16S102J | |
| R 248 | (B,79,65) | RS1/16S473J | | 351 | (B,99,147) | RS1/16S103J | |
| R 249 | (B,77,65) | RS1/16S473J | | 352 | (A,125,121) | RS1/16S103J | |
| | | | | | | | |
| R 261 | (B,58,66) | RS1/16S681J | | 353 | (A,125,126) | RS1/16S103J | |
| R 262 | (B,58,62) | RS1/16S681J | | 354 | (A,122,125) | RS1/16S331J | |
| R 263 | (A,69,66) | RAB4C123J | | 371 | (B,91,108) | RS1/16S0R0J | |
| R 264 | (B,69,63) | RAB4C223J | | 372 | (B,100,110) | RS1/16S473J | |
| R 265 | (A,103,63) | RS1/16S681J | K | 373 | (B,130,78) | RS1/16S104J | |
| R 266 | (A,91,62) | RS1/16S681J | R | 391 | (A,39,54) | RS1/16S103J | |
| R 267 | (A,91,63) | RS1/16S681J | | 392 | (A,40,65) | RS1/16S223J | |
| R 268 | (A,103,66) | RS1/16S681J | | 393 | (A,38,65) | RS1/16S103J | D |
| R 269 | (A,102,66) | RS1/16S681J | | 394 | (A,37,65) | RS1/16S473J | |
| R 270 | (A,100,66) | RS1/16S681J | | 405 | (B,167,114) | RS1/16S681J | |
| | | | | | | | |
| R 271 | (A,77,72) | RS1/16S0R0J | | 406 | (B,173,130) | RS1/16S681J | |
| R 273 | (A,82,67) | RS1/16S0R0J | | 407 | (B,173,132) | RS1/16S681J | |
| R 274 | (A,87,72) | RS1/16S0R0J | | 408 | (B,173,134) | RS1/16S681J | |
| R 275 | (A,91,65) | RS1/16S681J | | 409 | (B,173,136) | RS1/16S681J | |
| R 276 | (A,93,66) | RS1/16S681J | H · | 410 | (B,174,140) | RS1/16S681J | |
| R 281 | (A,98,94) | RS1/16S473J | B | 431 | (A,48,103) | RS1/16S103J | |
| R 282 | (A,98,96) | RS1/16S473J | | 432 | (A,48,105) | RS1/16S103J | |
| R 283 | (A,98,93) | RS1/16S682J | | 441 | (B,44,131) | RS1/16S223J | |
| R 284 | (A,98,97) | RS1/16S682J | | 442 | (B,51,131) | RS1/16S223J | Е |
| R 285 | (A,101,93) | RS1/16S682J | | 443 | (B,44,127) | RS1/16S103J | |
| | , , , | | | | , , , | | |
| R 286 | (A,101,97) | RS1/16S682J | R | 444 | (B,51,127) | RS1/16S103J | |
| R 287 | (B,100,89) | RS1/16S102J | R | 445 | (B,42,131) | RS1/16S103J | |
| R 288 | (B,103,94) | RS1/16S102J | | 446 | (B,53,131) | RS1/16S103J | _ |
| R 289 | (B,102,97) | RS1/16S101J | | 447 | (A,40,121) | RS1/16S103J | |
| R 290 | (B,89,94) | RS1/16S101J | R | 448 | (A,40,119) | RS1/16S103J | |
| D 201 | (A 00 72) | DQ1/160/70 I | C | 440 | (A 20 122\ | DQ1/16Q100 I | |
| R 291 R 292 | (A,98,73) (A,98,74) | RS1/16S473J RS1/16S473J | | 449 450 | (A,39,123) (A,52,122) | RS1/16S103J RS1/16S103J | |
| R 292 R 293 | (A,98,74) (A,98,71) | RS1/16S682J | | 450 451 | (A,32,122) (A,45,116) | RS1/16S103J | |
| R 294 | (A,98,71) (A,98,76) | RS1/16S682J | | 451 452 | (A,47,117) | RS1/16S104J | _ |
| R 295 | (A,90,70) (A,101,71) | RS1/16S682J | | 501 | (B,95,24) | RS1/16S681J | F |
| - - | | | | | | - | |
| R 296 | (A,101,76) | RS1/16S682J | R | 502 | (B,95,26) | RS1/16S681J | |
| R 297 | (B,100,68) | RS1/16S102J | R | 503 | (B,89,31) | RAB4C681J | |
| | | [| DEH-P980BT/X | XN/UC | | | 60 |
| | 5 | 6 | | | 7 | 8 | 69 |
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|---|----------------|---------------------------|----------------------------|----------------|--------------------------|----------------------------|
| | Circ | cuit Symbol and No. | Part No. | Cir | cuit Symbol and No. | Part No. |
| | R 511 | (B,65,49) | RS1/16S182J | R 754 | (B,135,37) | RS1/16S471J |
| | R 512 R 513 | (B,82,40) (B,65,51) | RAB4C681J RS1/16S332J | R 755 R 757 | (B,133,48) (B,121,31) | RS1/16S273J RS1/16S104J |
| Α | n 515 | (0,00,01) | NO 1/ 1000020 | н 757 | (0,121,31) | H31/1031040 |
| | R 514 | (B,61,51) | RS1/16S332J | R 758 | (B,119,35) | RS1/16S222J |
| | R 515 R 516 | (B,89,40) (B,65,53) | RAB4C681J RS1/16S182J | R 759 R 760 | (B,120,38) (B,120,28) | RS1/16S471J RS1/16S471J |
| | R 521 | (B,82,31) | RAB4C101J | R 761 | (B,120,20) (B,115,39) | RS1/16S473J |
| | R 522 | (B,88,25) | RS1/16S101J | R 762 | (B,112,40) | RS1/16S473J |
| | R 523 | (B,88,23) | RS1/16S101J | R 763 | (B,118,52) | RS1/16S103J |
| | R 531 | (B,51,42) | RS1/16S223J | R 764 | (B,129,53) | RS1/16S103J |
| | R 532 | (B,49,43) | RS1/16S102J | R 765 | (B,112,46) | RS1/16S473J |
| | R 552 | (B,45,69) | RS1/16S0R0J | R 766 | (B,112,44) | RS1/16S473J |
| | R 554 | (B,43,69) | RS1/16S102J | R 767 | (B,120,52) | RS1/16S472J |
| В | R 555 | (B,41,51) | RS1/16S220J | R 768 | (B,118,47) | RS1/16S103J |
| | R 556 | (B,53,49) | RS1/16S102J | R 769 | (B,124,51) | RS1/16S682J |
| | R 557 R 601 | (B,48,54) (B,131,87) | RS1/16S0R0J RS1/16S104J | R 770 R 771 | (B,136,34) (B,136,30) | RS1/16S333J RS1/16S332J |
| | R 603 | (B,131,85) | RS1/16S104J | R 773 | (B,117,50) | RS1/16S0R0J |
| | | , | | | , | |
| | R 605 R 606 | (B,131,83) | RS1/16S104J RS1/16S102J | R 774 R 775 | (B,128,30) | RS1/16S473J RS1/16S473J |
| | R 607 | (A,139,81) (B,132,73) | RS1/16S104J | R 776 | (B,130,38) (B,139,27) | RS1/16S473J |
| | R 608 | (A,126,82) | RS1/16S104J | R 777 | (B,140,30) | RS1/16S473J |
| | R 609 | (A,119,71) | RS1/16S102J | R 791 | (B,107,69) | RS1/16S122J |
| | R 611 | (B,141,83) | RS1/16S472J | R 792 | (A,54,105) | RS1/16S821J |
| С | R 613 | (B,140,85) | RS1/16S472J | R 793 | (A,39,94) | RS1/16S152J |
| | R 615 | (B,135,65) | RS1/16S104J | R 801 | (A,152,42) | RS1/16S102J |
| | R 616 R 617 | (B,135,69) (A,142,53) | RS1/16S104J RAB4C104J | R 802 R 803 | (A,142,42) (B,149,38) | RS1/16S102J RS1/16S103J |
| | 11 017 | (4,142,33) | 1120401040 | 11 003 | (B, 149,30) | 1131/1031033 |
| | R 619 | (B,146,66) | RS1/16S0R0J | R 804 | (B,143,41) | RS1/16S563J |
| | R 621 R 625 | (A,119,60) (A,119,69) | RAB4C104J RS1/16S104J | R 806 R 807 | (B,152,42) (A,151,18) | RS1/16S102J RS1/4SA102J |
| | R 627 | (A,1134,82) | RAB4C681J | R 808 | (B,152,38) | RS1/16S102J |
| | R 628 | (A,131,81) | RS1/16S681J | R 811 | (B,110,26) | RS1/16S222J |
| | R 629 | (B,127,78) | RS1/16S681J | R 812 | (B,112,18) | RS1/16S222J |
| | R 631 | (A,116,64) | RS1/16S104J | R 813 | (B,112,10) (B,110,28) | RS1/16S222J |
| D | R 632 | (A,131,52) | RS1/16S104J | R 814 | (B,115,17) | RS1/16S222J |
| | R 633 | (B,136,57) | RS1/16S104J | R 815 | (A,116,27) | RS1/16S222J |
| | R 640 | (A,120,55) | RS1/16S0R0J | R 816 | (B,117,17) | RS1/16S222J |
| | R 652 | (A,149,76) | RS1/16S104J | R 817 | (B,120,17) | RS1/16S222J |
| | R 661 | (B,155,49) | RS1/16S222J | R 818 | (A,118,27) | RS1/16S222J |
| | R 662 R 664 | (A,153,59) (B,155,53) | RS1/16S102J RS1/16S473J | R 819 R 820 | (A,120,27) (B,107,21) | RS1/16S104J RS1/16S223J |
| | R 665 | (A,156,61) | RS1/16S183J | R 821 | (B,109,12) | RS1/16S473J |
| | D 004 | (D.140.F2) | D04/4004001 | D 001 | (D 70.45) | D04/4004707 |
| | R 681 R 701 | (B,149,50) (B,96,43) | RS1/16S102J RS1/16S682J | R 831 R 832 | (B,70,15) (B,72,27) | RS1/16S472J RS1/16S821J |
| _ | R 702 | (B,96,47) | RS1/16S682J | R 833 | (B,80,23) | RS1/16S222J |
| Е | R 703 | (A,98,47) | RS1/16S682J | R 841 | (A,39,24) | RS1/16S1R0J |
| | R 704 | (A,98,50) | RS1/16S682J | R 842 | (A,37,33) | RS1/4SA271J |
| | R 705 | (B,96,51) | RS1/16S221J | R 851 | (B,63,27) | RS1/16S1R0J |
| | R 706 | (B,108,49) | RS1/16S221J | R 852 | (B,59,20) | RS1/4SA391J |
| | R 707 | (B,96,49) | RS1/16S221J | R 853 | (A,134,34) | RS1/16S562J |
| | R 708 R 709 | (B,108,47) (B,96,45) | RS1/16S221J RS1/16S221J | R 854 R 855 | (A,132,37) (A,89,16) | RS1/16S103J RS1/16S151J |
| | | , | | | | |
| | R 710 R 711 | (B,108,45) (B,106,40) | RS1/16S681J RS1/16S473J | R 901 R 902 | (B,22,56) (A,36,50) | RS1/16S223J RS1/16S272J |
| | R 711 R 712 | (B, 106,40) (A,116,69) | RS1/16S473J | R 902 | (A,36,50) (A,22,116) | RS1/16S272J RS1/16S821J |
| F | R 721 | (B,24,65) | RS1/4SA391J | R 921 | (B,16,85) | RS1/16S821J |
| • | R 751 | (B,135,39) | RS1/16S393J | R 931 | (A,69,116) | RS1/16S104J |
| | R 752 | (B,129,51) | RS1/16S104J | R 932 | (A,75,118) | RS1/16S103J |
| | R 753 | (B,135,41) | RS1/16S472J | R 933 | (B,70,121) | RS1/16S473J |
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|-------|-------------------|-------|------------------|---|------|------------------------|--------------|-------------------|--------------|
| | Circuit Symbol an | d No. | Part No. | | Cir | cuit Symbol | and No. | Part No. | |
| R 93 | | | RS1/16S473J | _ | 224 | (A,81,77) | | CEVW100M10 | |
| R 93 | (, , , , | | RS1/16S472J | | 225 | (A,83,83) | | CKSRYB104K16 | |
| R 94 | , | | RS1/16S103J | | 226 | (A,83,83) (A,87,77) | | CSZS100M16 | |
| 11 34 | (A,02,110) | | 1101/1001000 | | 227 | (A,84,83) | | CKSRYB104K16 | Α |
| D 05 | :1 (// 01 110) | | DC1/16C100 I | | 228 | | | | |
| R 95 | , | | RS1/16S102J | C | 228 | (A,93,87) | | CEVW100M10 | |
| R 95 | , | | RS1/16S472J | 0 | 229 | (4.00.04) | | OE\/\/100M10 | |
| R 95 | | | RS1/16S472J | | | (A,93,81) | | CEVW100M10 | |
| R 95 | , | | RS1/16S153J | | 230 | (A,93,76) | | CEVW100M10 | |
| R 97 | '1 (A,52,119) | | RS1/16S391J | | 231 | (A,93,70) | | CEVW100M10 | |
| D 07 | /D 05 400\ | | D04/4004D01 | _ | 232 | (A,93,98) | | CEVW100M10 | |
| R 97 | , | | RS1/16S1R0J | C | 233 | (A,93,92) | | CEVW100M10 | |
| R 98 | , , , , | | RS1/16S102J | | 0.40 | (D.00.00) | | 0000011000150 | |
| R 98 | (, , , | | RS1/16S153J | | 240 | (B,82,96) | | CCSRCH220J50 | |
| R 98 | 33 (B,75,118) | | RS1/16S102J | | 241 | (B,69,96) | | CCSRCH220J50 | |
| | 4017000 | | | | 242 | (B,86,95) | | CKSRYB104K16 | |
| CAP | <u>ACITORS</u> | | | | 243 | (B,66,71) | | CKSRYB332K50 | В |
| | | | | C | 244 | (A,73,79) | | CKSYB106K6R3 | Ь |
| C 10 | | | CKSRYB104K16 | | 0.45 | (4.70.74) | | 01/07/124001/0120 | |
| C 10 | | | CKSRYB102K50 | | 245 | (A,73,74) | | CKSYB106K6R3 | |
| C 10 | 3 (B,39,144) | | CKSRYB102K50 | | 246 | (B,58,70) | | CKSRYB332K50 | |
| C 12 | | | CKSQYB225K10 | | 247 | (B,70,86) | | CKSYB106K6R3 | |
| C 12 | (A,114,104) | | CKSQYB225K10 | | 250 | (A,73,69) | | CKSYB106K6R3 | |
| | | | | C | 251 | (A,74,63) | | CKSYB106K6R3 | Ī |
| C 12 | (A,114,108) | | CKSQYB225K10 | _ | | | | | _ |
| C 12 | (A,114,102) | | CKSQYB225K10 | | 252 | (B,78,48) | | CKSRYB104K16 | |
| C 12 | (A,120,106) | | CKSRYB105K10 | | 261 | (A,56,68) | | CKSRYB104K16 | |
| C 12 | (A,120,104) | | CKSRYB105K10 | | 262 | (A,98,66) | | CKSRYB104K16 | |
| C 12 | .7 (A,120,102) | | CKSRYB104K16 | | 272 | (A,81,69) | | CCSRCH560J50 | |
| | | | | С | 273 | (A,85,70) | | CKSRYB103K50 | _ |
| C 12 | (A,120,101) | | CKSRYB104K16 | | | | | | С |
| C 12 | (A,120,94) | | CEJQ4R7M35 | | 281 | (A,98,91) | | CCSRCH681J50 | |
| C 13 | | | CEJQ4R7M35 | С | 282 | (A,98,99) | | CCSRCH681J50 | |
| C 13 | | | CKSQYB225K10 | С | 283 | (A,101,94) | | CCSRCH331J50 | |
| C 13 | | | CKSYB475K10 | С | 284 | (A,101,96) | | CCSRCH331J50 | |
| | , | | | С | 285 | (B,96,89) | | CKSRYB105K10 | |
| C 13 | 3 (A,114,111) | | CKSYB475K10 | | | | | | |
| C 13 | , | | CKSRYB105K10 | С | 286 | (B,104,98) | | CKSRYB105K10 | _ |
| C 13 | , | | CKSRYB105K10 | С | 287 | (B,95,100) | | CKSRYB104K16 | |
| C 13 | | | CEJQ470M10 | С | 291 | (A,98,70) | | CCSRCH681J50 | |
| C 13 | (' ' ' | | CEJQ470M10 | С | 292 | (A,98,77) | | CCSRCH681J50 | |
| 0 .0 | (,,,=0,,) | | 0_000 | С | 293 | (A,101,73) | | CCSRCH331J50 | |
| C 13 | 38 (A,107,90) | | CKSRYB104K16 | | | , , , , | | | |
| C 13 | (' ' ' | | CKSRYB105K10 | С | 294 | (A,101,74) | | CCSRCH331J50 | D |
| C 15 | | | CKSRYB105K10 | С | 295 | (B,96,68) | | CKSRYB105K10 | |
| C 18 | | | CCSRCH681J50 | | 296 | (B,104,74) | | CKSRYB105K10 | |
| C 18 | | | CKSQYB225K10 | С | 297 | (B,89,76) | | CKSRYB104K16 | |
| 0 10 | (71,100,124) | | ONOGIBEEONIO | С | 301 | (A,98,80) | | CCSRCH681J50 | |
| C 18 | 3 (A,111,123) | | CEJQ101M6R3 | | | (, , , | | | |
| C 20 | | | CKSRYB104K16 | С | 302 | (A,98,88) | | CCSRCH681J50 | |
| C 20 | | | CKSRYB682K50 | | 303 | (A,101,83) | | CCSRCH331J50 | _ |
| C 20 | | | CKSRYB104K16 | | 304 | (A,101,85) | | CCSRCH331J50 | |
| C 20 | | | CKSRYB104K16 | | 305 | (B,96,79) | | CKSRYB105K10 | |
| 0 20 | (0,54,74) | | OKOTTI DIO4KTO | | 306 | (B,104,86) | | CKSRYB105K10 | |
| C 20 | 05 (A,51,83) | | CEJQ100M16 | _ | | (=,:::,::) | | | |
| | | | CEJQ100M16 | C | 307 | (B,89,87) | | CKSRYB104K16 | |
| C 20 | | | | | 321 | (A,153,122) | | CEJQNP100M10 | Е |
| C 20 | | | CEJQ100M16 | | 322 | (A,147,122) | | CEJQNP100M10 | |
| C 20 | | | CKSRYB104K16 | | 323 | (A,140,122) | | CEJQNP100M10 | |
| C 20 | 9 (B,57,87) | | CCSRCH8R0D50 | | 324 | (A,134,122) | | CEJQNP100M10 | |
| 0.04 | 0 (5.00.70) | | 01(05)(5104)(410 | O | 524 | (A, 104, 122) | | OLUQINI TOOMITO | |
| C 21 | | | CKSRYB104K16 | _ | 325 | (A,130,127) | | CEJQNP100M10 | |
| C 21 | | | CCSRCH8R0D50 | | 326 | (A,131,133) | | CEJQNP100M10 | |
| C 21 | | | CKSRYB104K16 | | | , , , , | | | - |
| C 21 | | | CKSRYB104K16 | | 327 | (A,154,134) | | CKSRYB102K50 | |
| C 21 | 4 (B,63,82) | | CCSRCH680J50 | | 328 | (A,149,115) | | CEJQ220M16 | |
| _ | | | | C | 351 | (B,129,123) | | CKSQYB474K16 | |
| C 21 | | | CKSRYB104K16 | ^ | 250 | (D 104 104) | | CK6CMD424K4C | |
| C 21 | | | CCSRCH680J50 | | 352 | (B,124,124) | | CKSQYB474K16 | |
| C 21 | | | CKSYB106K6R3 | | 353 | (B,126,123) | | CKSQYB474K16 | F |
| C 22 | | | CKSRYB103K50 | | 354 | (B,122,124) | | CKSQYB474K16 | |
| C 22 | (B,81,86) | | CCSRCH101J50 | | 355 | (A,117,122) | 200 [/4 2 1/ | CEJQ330M10 | |
| | | | | C | 357 | (A,86,125) 3 | 300 μF/16 V | CCH1486 | |
| | | | | | | | | | |

DEH-P980BT/XN/UC

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|---|-------|---------------------|----------------|-------|-------------------------|-----------------|
| | Circ | cuit Symbol and No. | Part No. | Circ | cuit Symbol and No. | Part No. |
| | | - | | | - | |
| | C 358 | (B,95,140) | CKSRYB104K25 | C 722 | (B,29,67) | CKSRYB102K50 |
| | C 359 | (A,124,130) | CEHAR100M16 | C 723 | (A,29,65) | CEJQ101M10 |
| | C 360 | (A,124,135) | CKSQYB225K10 | C 743 | (A,96,54) | CEJQ101M10 |
| Α | C 361 | (A,126,135) | CKSQYB225K10 | C 751 | (A,138,41) | CEJQ4R7M35 |
| | C 363 | (B,122,140) | CKSRYB474K10 | C 752 | (A,138,46) | CEJQ1R0M50 |
| | C 364 | (D 101 105) | CKSRYB474K10 | C 753 | /A 120 25\ | CEJQ4R7M35 |
| | | (B,121,135) | | | (A,138,35) | |
| | C 365 | (B,122,138) | CKSRYB474K10 | C 754 | (B,112,38) | CKSRYB104K16 |
| | C 366 | (B,121,133) | CKSRYB474K10 | C 755 | (B,119,31) | CKSRYB102K50 |
| | C 371 | (B,94,112) | CKSRYB104K16 | C 756 | (B,121,35) | CCSRCH101J50 |
| _ | C 372 | (B,99,112) | CKSRYB104K16 | C 758 | (B,134,30) | CKSRYB105K10 |
| | C 373 | (B,99,108) | CKSRYB104K16 | C 759 | (B,124,53) | CKSRYB104K16 |
| | C 374 | (A,110,116) | CEAL100M16 | C 760 | (B,122,39) | CKSRYB104K16 |
| | C 378 | (B,98,114) | CKSRYB105K10 | C 761 | (B,128,28) | CKSRYB104K16 |
| | C 401 | (B,173,109) | CKSRYB103K50 | C 762 | (B,118,45) | CKSRYB472K50 |
| В | C 401 | | | | | |
| | C 402 | (B,156,111) | CKSRYB102K50 | C 763 | (B,119,49) | CKSRYB102K50 |
| | C 403 | (A,160,111) | CEJQ470M10 | C 764 | (B,112,48) | CKSRYB104K16 |
| | C 404 | (B,167,110) | CKSYB475K10 | C 765 | (B,134,34) | CKSRYB471K50 |
| | C 405 | (B,174,142) | CKSRYB103K50 | C 768 | (B,138,30) | CKSRYB104K16 |
| | C 406 | (A,160,118) | CEJQ101M10 | C 769 | (B,75,112) | CKSRYB153K50 |
| | C 408 | (B,160,114) | CKSRYB102K50 | C 791 | (B,115,71) | CKSRYB103K50 |
| | C 400 | (0,100,114) | CKSHTB102K30 | 0 791 | (0,110,71) | CKSHTBTOSKSO |
| | C 421 | (A,161,96) | CEJQ220M16 | C 792 | (A,66,107) | CEJQ470M10 |
| | C 422 | (B,157,93) | CKSRYB103K50 | C 793 | (B,75,109) | CKSRYB103K50 |
| | C 423 | (B,156,83) | CKSYB475K10 | C 794 | (A,79,106) | CCH1325 |
| | C 424 | (B,135,97) | CKSRYB103K50 | C 795 | (A,71,111) | CEJQ101M10 |
| | C 431 | (A,48,112) | CKSRYB104K16 | C 796 | (A,44,90) | CKSRYB103K50 |
| С | 0 .0. | (/ 1, 10, 112) | | 0 .00 | (* 1, 1 1,00) | 0.10.112.001.00 |
| | C 432 | (A,33,117) | CKSQYB105K16 | C 801 | (B,143,43) | CKSRYB103K50 |
| | C 433 | (A,36,118) | CKSQYB105K16 | C 802 | (B,153,32) | CKSRYB102K50 |
| | C 441 | (B,42,127) | CKSQYB225K10 | C 803 | (A,142,37) | CCSRCH101J50 |
| | C 442 | (B,53,127) | CKSQYB225K10 | C 804 | (A,152,37) | CCSRCH101J50 |
| | C 443 | (B,43,123) | CKSQYB225K10 | C 806 | (B,156,27) | CKSRYB102K50 |
| _ | 0 440 | (0,40,120) | 01001220110 | 0 000 | (5,100,27) | ONOTTIBIOZNOO |
| | C 444 | (B,50,123) | CKSQYB225K10 | C 807 | (A,157,20) | CKSRYB104K16 |
| | | | CCSRCH101J50 | | | CEVW220M16 |
| | C 445 | (A,41,123) | | C 808 | (A,154,24) | |
| | C 446 | (A,51,122) | CCSRCH101J50 | C 831 | (B,80,21) | CKSRYB104K16 |
| | C 447 | (A,45,118) | CKSRYB105K10 | C 832 | (A,76,11) | CEVW470M10 |
| | C 448 | (A,40,115) | CEVW100M10 | C 841 | (A,57,12) | CEVW470M16 |
| D | C 501 | (B,99,22) | CKSRYB104K16 | C 842 | (B,37,37) | CKSRYB104K16 |
| | C 511 | (B,94,37) | CKSRYB104K16 | C 843 | (B,36,31) | CKSRYB102K50 |
| | C 521 | (B,84,18) | CKSRYB104K16 | C 844 | (A,36,29) | CEJQ330M16 |
| | C 554 | (A,46,63) | CEJQ330M10 | C 851 | (B,65,15) | CKSRYB473K25 |
| | C 560 | (B,46,54) | CKSRYB102K50 | C 852 | (A,92,14) | CKSRYB104K16 |
| | | (-,,, | | | (',, ' ') | |
| | C 561 | (A,51,66) | CEJQ220M16 | C 861 | (A,61,97) | CKSRYB105K6R3 |
| | C 562 | (B,63,43) | CKSRYB103K50 | C 862 | (A,61,99) | CKSRYB103K50 |
| | C 563 | (B,63,33) | CKSYB475K10 | C 863 | (A,68,98) | CKSRYB104K16 |
| | C 566 | (B,45,37) | CKSRYB104K16 | C 871 | (A,43,75) | CKSRYB104K16 |
| | C 567 | (B,55,40) | CKSRYB103K50 | C 873 | (A,41,79) | CEVW101M6R3 |
| | 0 500 | (D. E.E. 00) | OKODYB40EKODO | 0.075 | (A 00 05) | OKODNO 1051410 |
| Е | C 568 | (B,55,38) | CKSRYB105K6R3 | C 875 | (A,38,85) | CKSRYB105K10 |
| | C 601 | (A,128,83) | CKSRYB104K16 | C 877 | (A,49,99) | CEVW101M6R3 |
| | C 602 | (A,140,84) | CKSRYB104K16 | C 878 | (A,55,100) | CKSRYB103K50 |
| | C 603 | (A,124,83) | CKSRYB104K16 | C 879 | (B,49,98) | CKSYB475K10 |
| | C 605 | (B,137,89) | CKSRYB103K50 | C 901 | (A,27,47) 2 200 µF/16 V | CCH1405 |
| | C 606 | (A,134,90) | CEJQ4R7M35 | C 903 | (B,28,62) | CKSRYB472K50 |
| | C 607 | (B,151,68) | CCSRCH7R0D50 | C 904 | (B,28,52) | CKSRYB103K50 |
| | | | | | , | |
| | C 608 | (B,151,64) | CCSRCH7R0D50 | C 905 | (A,28,54) | CEJQ470M10 |
| | C 610 | (A,118,65) | CKSRYB104K16 | C 911 | (A,32,109) | CEJQ221M10 |
| | C 611 | (A,138,53) | CKSRYB104K16 | C 912 | (B,13,117) | CKSRYB103K50 |
| | C 612 | (A,134,54) | CKSRYB104K16 | C 913 | (A,13,120) | CEJQ101M10 |
| _ | C 613 | (B,134,78) | CCSRCH331J50 | C 921 | (A,31,99) 470 µF/16 V | CCH1325 |
| F | C 662 | (B,155,51) | CKSRYB104K16 | C 922 | (B,30,81) | CKSRYB103K50 |
| | C 663 | (A,156,59) | CKSRYB105K10 | C 923 | (A,30,77) | CEJQ101M10 |
| | C 721 | (B,30,74) | CKSRYB473K25 | C 932 | (B,74,121) | CKSRYB104K16 |
| | 0 121 | (2,00,17) | ONOTH DATIONED | J 302 | (2,17,121) | SKOLLI DIOTKIO |
| | | | | | | |

DEH-P980BT/XN/UC

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|----------------|---|---------------|----------------------------------|-------|------------------|------------------------------|------------------|---------------------------|---|
| | Circuit Symbol | and No. | Part No. | | Circ | uit Symbol | and No. | Part No. | |
| C 941 | - | | CKSQYB105K16 | | L 1931 | (B,122,11) I | | CTF1617 | |
| C 963 | ()/ | | CKSQYB105K10 | | L 1931 | , | nip Ferrite Beac | | |
| C 964 | (, , , , | | CKSQYB105K16 | | L 1932 | (B,123,13)CI (B,149,15) I | | ATH1167 | |
| C 965 | , , , , | | CKSQYB105K16 | | X 1761 | (A,109,27) 8 | | CSS1675 | Α |
| C 966 | | | | | S 1701 | | | CSG1155 | ^ |
| C 966 | (B,73,145) | | CKSQYB105K16 | | 5 1/01 | (A,163,6) Pu | ish Switch | CSGT155 | |
| C 967 | (A,74,135) | | CKSQYB105K16 | | S 1731 | (A,8,27) Pus | sh Switch | CSG1155 | |
| C 968 | , , , , | | CKSQYB105K16 | | S 1732 | (A,35,39) Pu | | CSG1155 | |
| C 969 | | | CKSQYB105K16 | | S 1733 | | | NTROL) CSX1065 | |
| C 971 | | | CKSRYB103K50 | | S 1734 | (A,35,9) Pus | | CSG1155 | _ |
| C 972 | | | CKSRYB103K50 | | S 1735 | (A,65,39) Pi | | CSG1155 | |
| | , , , | | | | | | | | |
| C 973 | , | | CEJQ100M16 | | S 1736 | (A,65,9) Pus | | CSG1155 | |
| C 981 | (B,82,113) | | CKSRYB104K16 | | S 1737 | (A,17,27) Pu | | CSG1155 | |
| | | | | | S 1738 | (A,6,11) Pus | | CSG1155 | |
| В | | | | | S 1739 | (A,26,27) Pu | | CSG1155 | В |
| | Mumbari | | | | | OEL Module | | MXK8230 | Ь |
| | Number: | | | | RESISTO | DC | | | |
| Unit | Name : Ke | eyboard U | nit | | <u>nesis i U</u> | no no | | | |
| | | | | | R 1703 | (B,118,18) | | RS1/16S103J | |
| MISC | <u>ELLANEOUS</u> | | | | R 1704 | (A,124,36) | | RS1/16S222J | |
| | | | | | R 1705 | (A,125,37) | | RS1/16S222J | |
| IC 170 | (, , , | | NJM2870F18 | | R 1706 | (A,157,7) | | RS1/16S333J | • |
| IC 170 | , | | S-818A33AUC-BGN | | R 1707 | (A,114,34) | | RS1/16S222J | |
| IC 176 | · · · · / | | TC7WT125FU | | | (, , , , , , | | | |
| IC 176 | (, , , | 0 | TC7WH34FU | | R 1708 | (A,110,31) | | RS1/16S222J | |
| IC 176 | 63 (B,97,26) IC | | PEG182A | | R 1709 | (A,117,37) | | RS1/16S103J | |
| | | | | | R 1731 | (B,11,31) | | RS1/16S101J | |
| IC 176 | (, , , , | 0 | TC7WH32FU | | R 1733 | (B,63,34) | | RS1/16S102J | С |
| IC 180 | | | GP1UX51RK | | R 1734 | (B,35,32) | | RS1/16S102J | |
| IC 183 | | C(P980BT/XN/L | | | | (,,- , | | | |
| IC 183 | | | PD8161A | | R 1735 | (B,42,11) | | RS1/16S222J | |
| | , | N/UC,P9850BT/ | , | | R 1737 | (B,54,26) | | RS1/16S332J | |
| IC 183 | 32 (A,140,21) IC | 3 | PD6544A | | R 1738 | (B,42,13) | | RS1/16S103J | |
| | | | | | R 1739 | (B,65,34) | | RS1/16S103J | |
| IC 183 | · · · · / | _ | M5M5V216ATP-70HI | | R 1740 | (B,38,32) | | RS1/16S822J | _ |
| IC 186 | , , , , | | S1D13702F00A100 | | | , , , , , | | | |
| Q 173 | · · · · / | | DTC114EU | | R 1741 | (B,38,30) | | RS1/16S473J | |
| D 170 | | | DAP202U | | R 1742 | (B,51,39) | | RS1/16S181J | |
| D 170 | 2 (A,119,37) D | лоае | DAN202U | | R 1743 | (B,50,8) | | RS1/16S181J | |
| D 470 | 00 (A 114 07) D | \: | DADOOOLI | | R 1744 | (B,61,7) | | RS1/16S181J | П |
| D 170 | | | DAP202U DAN202U | | R 1745 | (B,35,8) | | RS1/16S181J | D |
| D 170 | | | | | | | | | |
| D 173 D 173 | , , , , | | SML412BC5T(MN) SML412BC5T(MN) | | R 1746 | (B,50,39) | | RS1/16S151J | |
| D 173 | | | SML412BC5T(MN) | | R 1747 | (B,49,8) | | RS1/16S151J | |
| D 170 | (A,50,50) LL | .0 | GWL412BOST (WIV) | | R 1748 | (B,60,7) | | RS1/16S101J | |
| D 173 | 34 (A,36,24) LE | :D | SML412BC5T(MN) | | R 1749 | (B,36,8) | | RS1/16S181J | _ |
| D 173 | | | SML412BC5T(MN) | | R 1750 | (B,12,17) | | RS1/16S271J | |
| D 173 | | | SML412BC5T(MN) | | _ | | | | |
| D 173 | , | | SML412BC5T(MN) | | R 1751 | (B,11,17) | | RS1/16S331J | |
| D 173 | | | SML412BC5T(MN) | | R 1752 | (B,11,11) | | RS1/16S561J | |
| 5 170 | (1,00,01) | | S.W.E 1122001 (W.14) | | R 1753 | (B,10,11) | | RS1/16S331J | |
| D 173 | 9 (A,33,14) LE | :D | SML412BC5T(MN) | | R 1761 | (A,100,35) | | RS1/16S473J | |
| D 174 | | | SML412BC5T(MN) | | R 1762 | (A,97,31) | | RS1/16S473J | E |
| D 174 | | | SML412BC5T(MN) | | _ | | | | |
| D 175 | , | | HZU7R5(B2) | | R 1763 | (A,98,29) | | RS1/16S682J | |
| D 175 | , | | DAP202U | | R 1764 | (A,103,29) | | RS1/16S682J | |
| 2 | (2,00,11) | | 27 2020 | | R 1765 | (A,104,33) | | RS1/16S154J | |
| D 175 | 3 (B,66,22) Did | ode | DAN202U | | R 1766 | (A,101,29) | | RS1/16S392J | |
| D 175 | | | HZU7R5(B2) | | R 1767 | (A,99,29) | | RS1/16S392J | |
| D 176 | | | 1SS355 | | | (4 (0- 00) | | 50.44.50.450.4 | |
| L 170 | , , , , | | CTF1379 | | R 1768 | (A,107,33) | | RS1/16S473J | |
| L 170 | , | | CTF1379 | | R 1769 | (B,108,22) | | RAB4CQ101J | |
| | , , ., <u>-</u> ., | | | | R 1770 | (B,108,31) | | RAB4CQ101J | |
| L 170 | 3 (B,143,23) Ir | nductor | CTF1617 | | R 1771 | (A,101,33) | | RS1/16S473J | |
| L 176 | | | CTF1617 | | R 1772 | (B,108,28) | | RS1/16S101J | _ |
| L 186 | | | CTF1617 | | D 1770 | (D 107 07) | | DQ1/16Q101 I | F |
| L 186 | · · · · · | | LCTC1R0K2125 | | R 1773 R 1775 | (B,107,37) (B,79,7) | | RS1/16S101J RAB4CQ101J | |
| L 186 | 3 (A,126,7) Inc | ductor | LCTC1R0K2125 | | R 1775 | (B,79,7) (B,105,37) | | RS1/16S101J | |
| | | | | | 11 1//0 | (0,100,37) | | 1101/1001010 | |
| | | | BELL | D000D | T/\/\/\/\ | | | | |

DEH-P980BT/XN/UC 7 8

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|---|--------------------------------------|---------------------------|---|------------------------------|
| | Circuit Symbol and No. | Part No. | Circuit Symbol and No. | Part No. |
| | - | | | |
| | R 1777 (A,86,37) R 1778 (A,91,31) | RAB4CQ473J RS1/16S101J | C 1749 (B,35,33) C 1750 (A,67,32) | CKSRYB103K50 CKSRYB104K16 |
| | R 1778 (A,91,31) | K51/165101J | C 1750 (A,67,32) | CKSRYB104K16 |
| ۸ | R 1779 (A,92,35) | RS1/16S473J | C 1751 (A,67,15) | CKSRYB104K16 |
| Α | R 1779 (A,92,33) R 1780 (A,91,33) | RS1/16S101J | C 1751 (A,67,15) C 1752 (A,33,32) | CKSRYB104K16 |
| | R 1780 (A,91,33) R 1781 (B,99,37) | RAB4CQ101J | C 1752 (A,33,32) C 1753 (A,33,15) | CKSRYB104K16 |
| | R 1781 (B,99,37) R 1782 (B,99,16) | RS1/16S473J | C 1733 (A,33,13) C 1761 (A,97,37) | CKSRYB104K16 |
| | R 1782 (B,99,10) R 1783 (B,97,16) | RS1/16S473J | (, , , | CKSRYB104K16 |
| | n 1765 (b,97,16) | NS1/1034/3J | C 1762 (A,101,37) | CKSHIBIU4KIO |
| | R 1784 (B,95,16) | RS1/16S101J | C 1763 (A,101,35) | CKSRYB473K25 |
| | R 1785 (A,83,34) | RAB4CQ101J | C 1763 (A,101,33) C 1764 (A,135,38) | CKSRYB104K16 |
| | R 1786 (B,82,35) | RAB4CQ101J | C 1764 (A, 135,38) C 1765 (B,103,37) | CKSRYB103K50 |
| | R 1787 (B,85,33) | RAB4CQ101J | C 1766 (B,141,16) | CKSRYB104K16 |
| | R 1789 (B,85,16) | RAB4CQ101J | C 1760 (B,141,16) C 1767 (B,90,18) | CKSRYB104K16 |
| | (5,00,10) | TIADTOQTOTO | (5,50,10) | CKCKTBTO4KTO |
| | R 1790 (B,80,18) | RS1/16S101J | C 1768 (B,135,11) | CKSRYB103K50 |
| В | R 1791 (B,80,16) | RS1/16S101J | C 1769 (B,140,11) | CSZS4R7M10 |
| | R 1793 (B,82,31) | RAB4CQ101J | C 1770 (A,126,34) | CKSRYB104K16 |
| | R 1794 (B,85,28) | RAB4CQ101J | C 1801 (B,22,34) | CSZS100M16 |
| | R 1795 (B,82,27) | RAB4CQ101J | C 1831 (A,148,26) | CKSRYB104K16 |
| | (=,==,=-, | | (', ' ' ', ' ' ', ' ' ', ' ' ', ' ' ', ' ' ', ' ' ', ' ' ', ' ' ', ' ' ', ' ' ', ' ' ', ' ' ', ' ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ', | |
| | R 1796 (B,82,21) | RAB4CQ101J | C 1832 (A,96,11) | CKSRYB104K16 |
| | R 1797 (B,85,20) | RAB4CQ101J | C 1833 (B,161,40) | CKSRYB104K16 |
| - | R 1798 (B,79,10) | RAB4CQ101J | C 1834 (A,156,15) | CCSRCH100D50 |
| | R 1799 (A,128,33) | RS1/16S0R0J | C 1835 (B,139,13) | CCSRCH100D50 |
| | R 1804 (B,108,20) | RS1/16S101J | C 1862 (B,159,16) | CKSRYB103K50 |
| | | | | |
| | R 1811 (B,19,30) | RS1/16S101J | C 1863 (B,161,10) | CSZS4R7M10 |
| _ | R 1812 (B,24,34) | RS1/16S103J | C 1864 (A,114,14) | CKSRYB104K16 |
| С | R 1813 (B,22,37) | RS1/16S2R2J | C 1865 (A,132,15) | CKSRYB473K25 |
| | R 1831 (A,129,7) | RS1/16S473J | C 1867 (A,117,27) | CKSRYB104K16 |
| | R 1832 (A,132,7) | RS1/16S101J | C 1868 (A,132,25) | CKSRYB104K16 |
| | D 1000 (1 100 11) | DO4/4004704 | 0 4000 (4 400 44) | 01405)454041440 |
| | R 1833 (A,133,11) | RS1/16S473J | C 1869 (A,130,11) | CKSRYB104K16 |
| _ | R 1834 (A,134,33) | RS1/16S473J | C 1870 (A,132,13) | CKSRYB104K16 |
| | R 1835 (A,154,13) | RS1/16S471J | C 1871 (A,126,29) | CCSRCH100D50 |
| | R 1836 (A,150,13) | RS1/16S471J | C 1872 (A,130,30) | CCSRCH100D50 |
| | R 1864 (A,133,17) | RS1/16S473J | C 1873 (A,132,24) | CCSRCH100D50 |
| | R 1865 (A,132,19) | RS1/16S473J | C 1874 (A,109,14) | CKSYB106K10 |
| | R 1866 (A,132,27) | RS1/16S101J | C 1932 (B,118,11) | CKSRYB103K50 |
| | R 1869 (A,113,10) | RS1/16S102J | C 1933 (B,117,13) | CKSRYB104K16 |
| D | R 1870 (A,132,22) | RS1/16S102J | C 1936 (B,117,15) | CKSRYB104K16 |
| | R 1871 (A,128,29) | RS1/16S102J | C 1937 (B,93,11) | CKSRYB104K16 |
| | (,,,=0,=0) | . 10 17 100 1020 | (2,00,1.1) | 31.311.213.111.6 |
| | R 1872 (A,130,28) | RS1/16S102J | C 1939 (B,154,15) | CKSYB106K10 |
| | R 1873 (A,132,21) | RS1/16S102J | C 1941 (B,131,8) | CKSYB106K10 |
| | R 1874 (A,110,10) | RS1/16S102J | , , , , | |
| | R 1931 (B,113,16) | RS1/16S101J | C | |
| | R 1932 (B,112,16) | RS1/16S101J | | |
| | | | Unit Number: CWX3328 | 3 |
| | R 1933 (B,109,16) | RS1/16S101J | Unit Name : CD Core | Unit(COMP1D) |
| | R 1934 (B,107,16) | RAB4CQ101J | omenamo : ob coro | |
| | | | MISCELLANEOUS | |
| Ε | CAPACITORS | | MIGGLELANEGGO | |
| | 0.4707 (0.400.04) | OKODVD 47 4K4 0 | IC 201 (B,39,70) IC | UPD63763CGJ |
| | C 1707 (B,129,21) | CKSRYB474K10 | IC 203 (A,12,16) IC | NJM2886DL3-33 |
| | C 1708 (B,143,30) | CKSRYB474K10 | IC 301 (A,28,18) IC | BA5835FP |
| | C 1709 (B,148,32) | CKSRYB223K50 | IC 701 (A,32,48) IC | PE5552A |
| | C 1710 (B,137,15) | CSZS4R7M10 | Q 101 (B,60,89) Transistor | 2SA1577 |
| | C 1711 (B,151,30) | CSZS4R7M10 | (,,,,,,, | |
| _ | C 1732 (A,67,24) | CKSRYB104K16 | Q 701 (B,24,41) Transistor | UN2111 |
| | C 1732 (A,67,24) C 1735 (A,34,24) | CKSRYB104K16 | | onator 4.000 MHz CSS1652 |
| | C 1735 (A,34,24) C 1739 (A,10,35) | CKSRYB104K16 | S 901 (A,57,57) Switch(HOME | |
| | C 1739 (A,10,35) C 1741 (A,50,40) | CKSRYB104K16 | S 903 (B,23,78) Switch(DSCS | , |
| | C 1741 (A,50,40) C 1744 (A,50,7) | CKSRYB104K16 | S 904 (B,42,87) Switch(12EJ) | |
| _ | (A,00,1) | SINGITI DI IOTINIO | . , , , , | |
| F | C 1746 (A,16,20) | CKSRYB104K16 | S 905 (B,28,88) Switch(8EJ) | CSN1068 |
| | C 1747 (A,11,11) | CKSRYB104K16 | | |
| | C 1748 (B,62,26) | CKSRYB103K50 | <u>RESISTORS</u> | |
| | (=,0=,=0) | 2 | | |
| | | DELI DO | ORT/YN/LIC | |

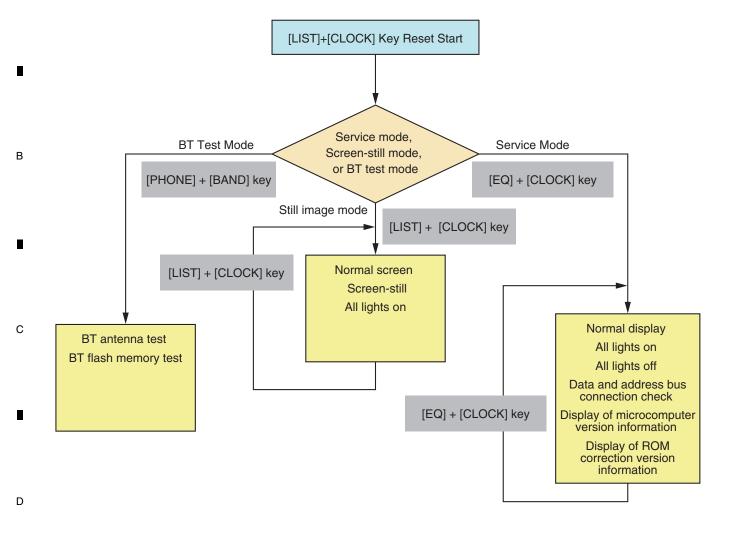
DEH-P980BT/XN/UC

| | 5 | | 6 | | | 7 | | 8 | |
|------------|---------------|-----------|------------------------------|-----------|----------------|----------------------|--------------------------------------|------------------------------|-----|
| | Circuit Symbo | l and No. | Part No. | | | | bol and No. | Part No. | |
| | | | | | C 216 | (B,53,77 | | CKSSYB332K50 | |
| R 1 R 1 | · · · · · | | RS1/10SR2R4J RS1/10SR2R4J | | C 217 | (B,52,79 |) | CKSSYB104K10 | |
| R 1 | · · · · · | | RS1/10SR2R7J | | C 218 | (B,52,76 |) | CKSSYB473K10 | Α |
| R 1 | (, , , | | RS1/16SS102J | | C 219 | (B,52,74 | | CKSSYB104K10 | , , |
| R 2 | | | RS1/16SS102J | | C 220 | (A,46,77 | | CKSSYB182K50 | |
| | | | | | C 221 | (B,51,74 |) | CKSSYB104K10 | |
| R 2 | | | RS1/16SS473J | | C 222 | (A,46,73 |) | CCSSCH560J50 | |
| R 2 | , , , , , | | RS1/16SS473J | | 0.000 | /A 44 74 | | 000001140000 | |
| R 2 R 2 | , , , , , | | RS1/16SS0R0J RS1/16SS472J | | C 223 C 224 | (A,44,74 (B,52,68 | | CCSSCH4R0C50 CKSSYB104K10 | |
| R 2 | | | RS1/16SS472J | | C 224 | (B,52,66 (A,47,67 | , | CKSSYB104K10 | |
| 2 | (71,40,01) | | 1101/10004/20 | | C 226 | (A,49,67 | , | CCSSCH680J50 | |
| R 2 | (A,44,81) | | RS1/16SS103J | | C 227 | (A,48,65 | | CCSSCH470J50 | |
| R 2 | | | RS1/16SS103J | | | | | | |
| R 2 | , , , , , , | | RS1/16SS103J | | C 228 | (A,46,62 | | CKSSYB103K16 | Ъ |
| R 2 | (, , , | | RS1/16SS393J | | C 232 | (A,12,31 | | CKSRYB105K10 | В |
| R 2 | (A,44,75) | | RS1/16SS562J | | C 237 | (A,31,67 | | CKSSYB104K10 | |
| R 2 | 228 (A,46,72) | | RS1/16SS122J | | C 239 C 246 | (A,46,74 (A,42,80 | | CCSSCH220J50 CKSSYB104K10 | |
| R 2 | (, , , | | RS1/16SS472J | | 0 240 | (7,42,00 | , | 010010104110 | |
| R 2 | | | RS1/16SS122J | | C 249 | (B,25,57 |) | CKSSYB221K50 | |
| R 2 | | | RS1/16SS221J | | C 250 | (A,42,81 | | CKSRYB102K50 | |
| R 2 | | | RS1/16SS221J | | C 251 | (A,41,83 |) | CKSRYB102K50 | • |
| | | | | | C 303 | (A,18,20 |) | CKSSYB472K25 | |
| R 2 | | | RS1/16SS221J | | C 304 | (A,17,17 |) | CKSSYB103K16 | |
| R 2 | , , , , , , | | RS1/16SS333J | | _ | | | | |
| R 2 | , , , , | | RS1/16SS333J | | C 307 | (A,34,15 | | CKSSYB104K10 | |
| R 2 | · · · · · | | RS1/16SS333J | | C 308 | (A,17,30 | | CKSRYB105K10 | С |
| R 2 | 248 (B,55,74) | | RS1/16SS105J | | C 701 | (B,25,47 | | CKSSYB104K10 | C |
| R 3 | 307 (A,19,20) | | RS1/16SS183J | | C 703 C 706 | (B,28,42 | | CKSSYB103K16 CKSSYB104K10 | |
| R 3 | | | RS1/16SS183J | | C 700 | (B,34,43 |) | CK331B104K10 | |
| R 3 | | | RS1/16SS183J | | C 707 | (A,36,57 |) | CKSSYB104K10 | |
| R 3 | , , , , , | | RS1/16SS183J | | C 714 | (A,24,41 | | CKSSYB104K10 | |
| R 7 | | | RS1/16SS221J | | C 722 | (B,29,45 | | CKSQYB475K6R3 | • |
| | | | | | C 903 | (B,14,54 |) | CKSSYB471K50 | _ |
| R 7 | · · · · · | | RS1/16SS473J | | | | | | |
| R 7 | · · · · / | | RS1/16SS222J | | D | | | | |
| R 7 | , , , , , , | | RS1/16SS102J | | | | 011101000 | | |
| R 7 | | | RS1/16SS222J | | | | CWS1389 | | |
| R 7 | '13 (B,40,57) | | RS1/16SS222J | | Unit Na | me : | Switch Unit | | D |
| R 7 | '16 (B,29,37) | | RS1/16SS472J | | | | | | |
| R 7 | · · · · · | | RS1/16S473J | | S 1 | Switch(C | | CSN1051 | |
| R 7 | , , , , | | RS1/16SS103J | | S 2 | Switch(C | PEN) | CSN1052 | |
| R 7 | | | RS1/16SS473J | | | | | | |
| R 7 | '29 (B,20,48) | | RS1/16SS223J | | Miscell | aneous | Parts List | | |
| | (D.00.40) | | D04/40004704 | | | - · · · | | 0)0///0//0 | |
| R 7 R 7 | , , , , | | RS1/16SS473J RS1/16SS222J | | M 4 | | Jnit(P10.5)(Service) nit(SPINDLE) | | |
| R 7 | | | RS1/16SS104J | | M 1 M 2 | | nit(LOADING/CARF | CXC6742 | |
| R 7 | · · · · / | | RS1/16SS473J | | M 801 | | nit(FLAP) | XXA7400 | |
| R 7 | · · · · / | | RS1/16SS102J | | IVI OU I | WOLOI OI | iit(i LAi) | XXX/400 | |
| | (=, :=, :=) | | | | | | | | _ |
| R 9 | 002 (A,20,36) | | RS1/16SS221J | | | | | | Е |
| R 9 | 005 (A,21,36) | | RS1/16SS221J | | | | | | |
| R 9 | , , , , | | RS1/16SS221J | | | | | | |
| R 9 | 009 (B,16,65) | | RS1/16SS0R0J | | | | | | |
| CA | PACITORS | | | | | | | | _ |
| _ | | | OE) #441-2-11-1- | | | | | | |
| C 1 | · · · · · | | CEVW101M16 | | | | | | |
| C 1 | | | CKSSYB104K10 | | | | | | |
| C 2 | , , , , | | CKSSYB102K50 CKSSYB104K10 | | | | | | |
| C 2 | · · · · · | | CKSSYB104K10 | | | | | | |
| 0 2 | (7,04,00) | | 51.001 B104K10 | | | | | | F |
| C 2 | 208 (B,34,54) | | CKSSYB104K10 | | | | | | F |
| C 2 | | | CKSSYB104K10 | | | | | | |
| C 2 | | | CKSRYB105K10 | | | | | | |
| | , , , | | | | | | | | |
| | | | | DFH-P980F | RT/XN/LIC | | | | |

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6. ADJUSTMENT 6.1 DISPLAY TEST MODE

A Display Test Mode



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2) Test mode

This mode is used to adjust the CD mechanism module.

• To enter the test mode.

While pressing the EQ and CLOCK keys at the same time, reset.

• To exit from the test mode.

Turn off the ACC and back up.

Notes:

a. During ejection, do not press any other keys than the EJECT key until the loaded disc is ejected.

b. If you have pressed the (\rightarrow) key or (\leftarrow) key during focus search, turn off the power immediately to protect the actuator from damage caused by the lens stuck.

c. For the TR jump modes except 100TR, the track jump operation will continue even if the key is released.

d. For the CRG move and 100TR jump modes, the tracking loop will be closed at the same time when the key is released.

e. When the power is turned off and on, the jump mode is reset to the single TR (91), the RF amp gain is set to 0 dB, and the auto-adjustment values are reset to the default settings.

1) Cautions on adjustments

• In this product the single voltage (3.3 V) is used for the regulator. The reference voltage is the REFO1 (1.65 V) instead of the GND.

If you should mistakenly short the REFO1 with the GND during adjustment, accurate voltage will not be obtained, and the servo's misoperation will apply excessive shock to the pickup. To avoid such problems:

a. Do not mix up the REFO1 with the GND when connecting the (-) probe of measuring instruments. Especially on an oscilloscope, avoid connecting the (-) probe for CH1 to the GND.

b. In many cases, measuring instruments have the same potential as that for the (-) probe. Be sure to set the measuring instruments to the floating state.

c. If you have mistakenly connected the REFO1 to the GND, turn off the regulator or the power immediately.

- Before mounting and removing filters or leads for adjustment, be sure to turn off the regulator.
- For stable circuit operation, keep the mechanism operating for about one minute or more after the regulator is turned on.
- In the test mode, any software protections will not work. Avoid applying any mechanical or electrical shock to the mechanism during adjustment.
- The RFI and RFO signals with a wide frequency range are easy to oscillate. When observing the signals, insert a resistor of 1 k ohms in series.
- The load and eject operation is not guarantied with the mechanism upside down. If the mechanism is blocked due to mistaken eject operation, reset the product or turn off and on the ACC to restore it.

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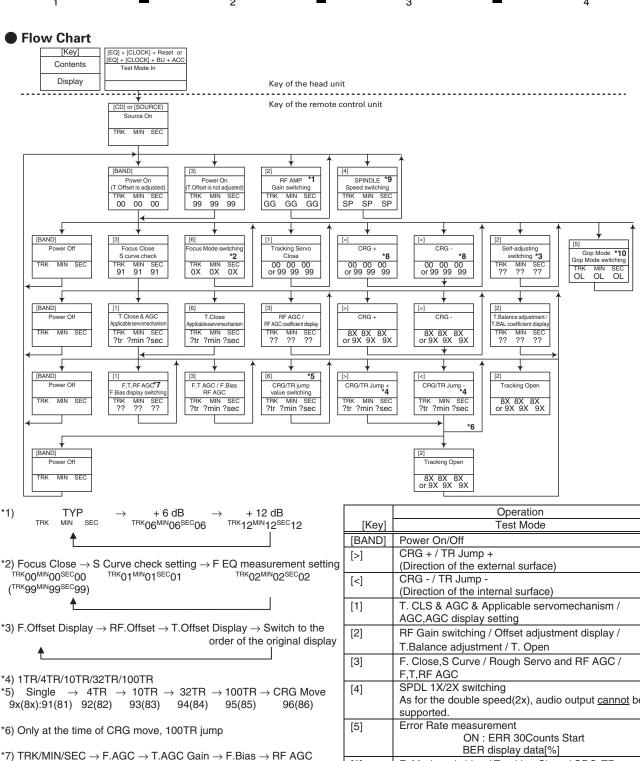
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*1)

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- 9x(8x):91(81) 92(82) 93(83)

- *8) CRG motor voltage = 2 [V]

1

| *9) | Т | YP (| 1X) | \rightarrow | 2X | \rightarrow | 1X |
|-----|-----|-------|-----|---------------|-----------------|---------------|-----------------|
| , | TRK | MIN ` | SÉC | | TRK22MIN22SEC22 | | TRK11MIN11SEC11 |
| | | | | | τ | | |

- As for the double speed(2x), audio output cannot be [6] F. Mode switching / Tracking Close / CRG•TR Jump Switching
- *Press[1] [6] keys on the remote control unit.
- *10) OFF(TYP) **FORCUS TRACKING** TRK TRK71MIN71SEC71 MIN SEC TRK70MIN70SEC70
- As for the double speed (2x), audio output cannot be supported
- *) After the [Eject] key is pressed keys other than the [Eject] key should not be pressed, until disc ejection is complete.

- When the key [2] or [3] is pressed during the Focus Search, the power supply should be immediately turned off (otherwise the lens sticks to Wall, causing the actuator to be damaged).
- In the case of TR jump other than to 100TR, the function shall continue to be processed even if the TR jump key is released. As for the CRG Move and 100TR Jump, the mechanism shall be set to the Tracking Close mode when the key is released.
- When the power is turned on/off the jump mode is reset to the Single TR (91) while the gain of the RFAMP is reset to 0 dB. At the same time all the self-adjusting values shall return to the default setting.

6.3 CHECKING THE GRATING AFTER CHANGING THE PICKUP UNIT



· Note:

The grating angle of the PU unit cannot be adjusted after the PU unit is changed. The PU unit in the CD mechanism module is adjusted on the production line to match the CD mechanism module and is thus the best adjusted PU unit for the CD mechanism module. Changing the PU unit is thus best considered as a last resort. However, if the PU unit must be changed, the grating should be checked using the procedure below.

• Purpose :

To check that the grating is within an acceptable range when the PU unit is changed.

· Symptoms of Mal-adjustment :

If the grating is off by a large amount symptoms such as being unable to close tracking, being unable to perform track search operations, or taking a long time for track searching.

Method :

Measuring Equipment

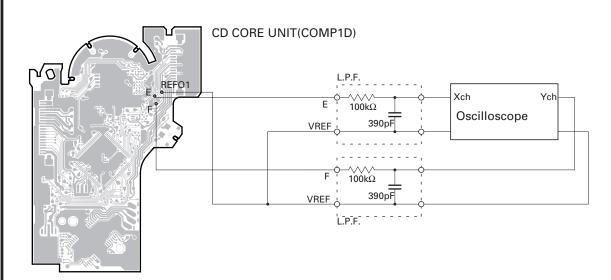
· Oscilloscope, Two L.P.F.

Measuring Points

• E, F, REFO1 • TCD-782

DiscMode

• TEST MODE



· Checking Procedure

- 1. In test mode, load the disc and switch the 3 V regulator on.
- 2. Using the \rightarrow and \leftarrow buttons, move the PU unit to the innermost track.
- 3. Press key 3 to close focus, the display should read "91". Press key 2 to implement the tracking balance adjustment the display should now read "81". Press key 3. The display will change, returning to "81" on the fourth press.
- 4. As shown in the diagram above, monitor the LPF outputs using the oscilloscope and check that the phase difference is within 75°. Refer to the photographs supplied to determine the phase angle.
- 5. If the phase difference is determined to be greater than 75° try changing the PU unit to see if there is any improvement. If, after trying this a number of times, the grating angle does not become less than 75° then the mechanism should be judged to be at fault.

Note

Because of eccentricity in the disc and a slight misalignment of the clamping center the grating waveform may be seen to "wobble" (the phase difference changes as the disc rotates). The angle specified above indicates the average angle.

Hint

Reloading the disc changes the clamp position and may decrease the "wobble".

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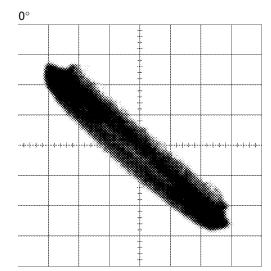
Grating waveform

 $\begin{aligned} & Ech \rightarrow Xch & 20 \text{ mV/div, AC} \\ & Fch \rightarrow Ych & 20 \text{ mV/div, AC} \end{aligned}$

2

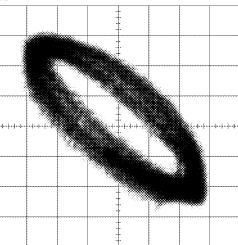
Α

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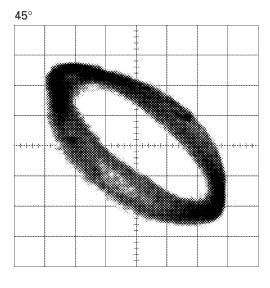


30°

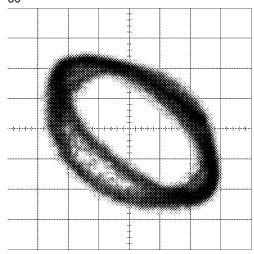
3



С



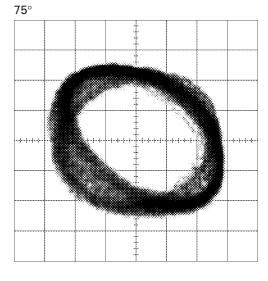
60°



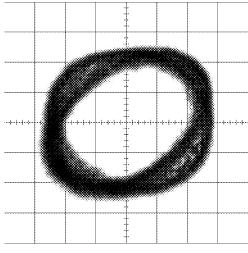
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D



90°



F

6.4 ERROR MODE

Error Messages

If a CD is not operative or stopped during operation due to an error, the error mode is turned on and cause(s) of the error is indicated with a corresponding number. This arrangement is intended at reducing nonsense calls from the users and also for facilitating trouble analysis and repair work in servicing.

(1) Basic Indication Method

1) When SERRORM is selected for the CSMOD (CD mode area for the system), error codes are written to DMIN (minutes display area) and DSEC (seconds display area). The same data is written to DMIN and DSEC. DTNO remains in blank as before.

2) Head unit display examples

Depending on display capability of LCD used, display will vary as shown below. xx contains the error number.

| 8-digit display | 6-digit display | 4-digit display |
|-----------------|-----------------|-----------------|
| ERROR-xx | ERR-xx | E-xx |

(2) Error Code List

| (2) Erro | or Code List | | |
|----------|--------------|----------------------|---|
| Code | Class | Displayed error code | Description of the code and potential cause(s) |
| 10 | Electricity | Carriage Home NG | CRG can't be moved to inner diameter. |
| | | SERVO LSI Com- | CRG can't be moved from inner diameter. |
| | | munication Error | ightarrow Failure on home switch or CRG move mechanism. |
| | | | Communication error between microcomputer and SERVO LSI. |
| 11 | Electricity | Focus Servo NG | Focusing not available. |
| | | | ightarrow Stains on rear side of disc or excessive vibrations on REWRITABLE. |
| 12 | Electricity | Spindle Lock NG | Spindle not locked. Sub-code is strange (not readable). |
| | | Subcode NG | ightarrow Failure on spindle, stains or damages on disc, or excessive vibrations. |
| | | | A disc not containing CD-R data is found. |
| | | | Turned over disc are found, though rarely. |
| | | | CD signal error. |
| 17 | Electricity | Setup NG | AGC protection doesn't work. Focus can be easily lost. |
| | | | ightarrow Damages or stains on disc, or excessive vibrations on REWRITABLE. |
| 30 | Electricity | Search Time Out | Failed to reach target address. |
| | | | ightarrow CRG tracking error or damages on disc. |
| 44 | Electricity | ALL Skip | Skip setting for all track. |
| | | | (CD-R/RW) |
| 50 | Mechanism | CD On Mech Error | Mechanical error during CD ON. |
| | | | ightarrow Defective loading motor, mechanical lock and mechanical sensor. |
| A0 | System | Power Supply NG | Power (VD) is ground faulted. |
| | | | ightarrow Failure on SW transistor or power supply (failure on connector). |

Remarks: Mechanical errors are not displayed (because a CD is turned off in these errors).

Unreadable TOC does not constitute an error. An intended operation continues in this case.

Upper digits of an error code are subdivided as shown below:

1x: Setup relevant errors, 3x: Search relevant errors, Ax: Other errors.

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6.5 SYSTEM MICROCOMPUTER TEST PROGRAM



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PCL Output

In the normal operation mode (with the detachable panel installed, the ACC switched ON, the standby mode cancelled), shift the TESTIN IC601(Pin 126) terminal to H.

The clock signal is output from the PCL terminal IC601(Pin 62).

The frequency of the clock signal is 625.000 kHz that is one 32nd of the fundamental frequency.

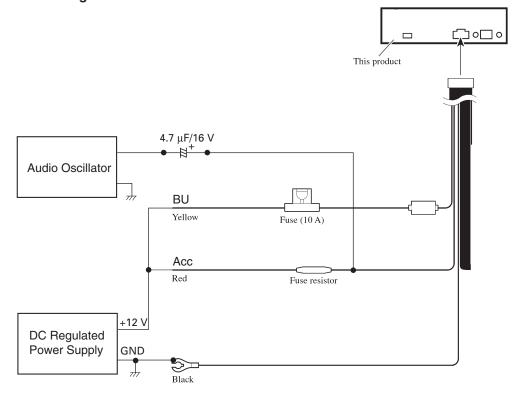
The clock signal should be 625.000 kHz(- 25 Hz, + 25 Hz).

If the clock signal is out of the range, the X'tal (X601) should be replaced with the new one.

6.6 HOW TO CHECK THE REVOLUTION NUMBER DETECTION CIRCUIT



Connection Diagram

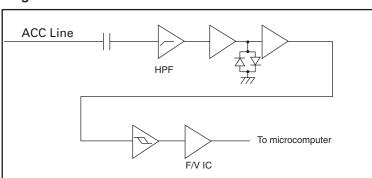


Checking the Revolution Number Detection Circuit

- 1. Input 400 mVp-p sine waves and confirm change of output voltage according to frequency.
- 2. There is a definite relation between alternating current frequency and the engine revolution number. Frequency at 4 000 rpm can be set by user operation.

 Linear complement between 0 rpm = 0 Hz and 4 000 rpm.

Block Diagram



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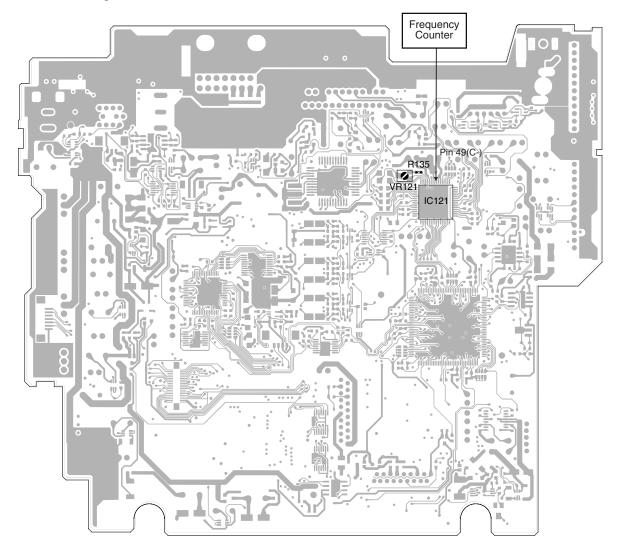
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6.7 E.VOL IC OSCILLATING FREQUENCY ADJUSTMENT



Connection Diagram



E.VOL IC oscillating frequency adjustment when you change the VR121, R135 or IC121.

● E.VOL IC Oscillating Frequency Adjustment

5

| Adjustment Point | Switch Position | Adjustment Method | | |
|------------------|------------------------|-------------------------------------|--|--|
| VR121 | Source : except for AM | Frequency Counter: 400 kHz ± 10 kHz | | |

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6.8 BLUETOOTH TEST MODE

About Memory Clear

When resetting the microprocessor, the memory is initialized except for the following four items.

This enables user to avoid the task of registering phones and transfering phone directory again even after resetting system at the time of battery exchange, etc.

- Registration of phone
- Phone directory
- · History of sending/arrival
- Dial preset

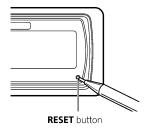
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Resetting the microprocessor

The microprocessor must be reset under the following conditions:

- Prior to using this unit for the first time after installation
- If the unit fails to operate properly
- When strange or incorrect messages appear on the display

• Press RESET with a pen tip or other pointed instrument.



Clearing all memory

To protect personal and private information, data about the phone stored in this unit can be deleted.

- 1 Press SOURCE and hold until the unit turns off.
- 2 Press MULTI-CONTROL and hold until Language select appears in the display.
- 3 Turn MULTI-CONTROL to select Phone reset.
- Phone reset appears in the display.
- 4 Push MULTI-CONTROL right to show a confirmation display. Clear memory YES is displayed. Clearing memory is now on standby.
- If you do not want to reset phone memory, press BAND.

5 Press MULTI-CONTROL to clear the memory.

All data in the telephone source, including Phone Book entries, number presets and the Call History is cleared.

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● Function Specifications for Bluetooth Test Mode (when using BT-compliant mobile phone)

Specifications for BT Built-in mobile phone

The mobile phone compliant to Bluetooth Ver 1.1 requires at least *HFP and *OPP to be mounted.

6

The model having validly accomplished connecting verification is desirable.

The model capable of being in standby state is desirable.

*HFP: Hands-Free Profile, OPP: Object Push Profile

1. Cautions

[Important]

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- * When conducting this Test Mode, writing into memory and others will be checked. Because of that, the data stored by the user will be deleted. Please obtain approval from the user beforehand.
- * On this product, the user's memory for telephone directory information will not be cleared even if BU power is turned off. If you register the telephone information to the unit in normal mode for checking the Bluetooth function, you have to delete the data which you registered before returning the unit to the user.
- * Note that if the user is already useing all of user's memory(No.1 3 and Guest 1,2), you need to delete user's data in order to check the Bluetooth function in normal mode.

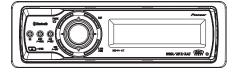
2. Outline of Functions

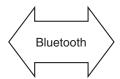
The following 3 items are to be confirmed for the simple BT action check by using BT-compliant mobile phone:

- Confirmation of Bluetooth connection (certification connection and voice connection)
- Confirmation of BT antenna sensitivity (connection)
- · Confirmation of FLASH memory action

3. Configuration Diagram

DEH-P980BT/XN/UC DEH-P9800BT/XN/UC DEH-P9850BT/XN/ES







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Specifications for Operation

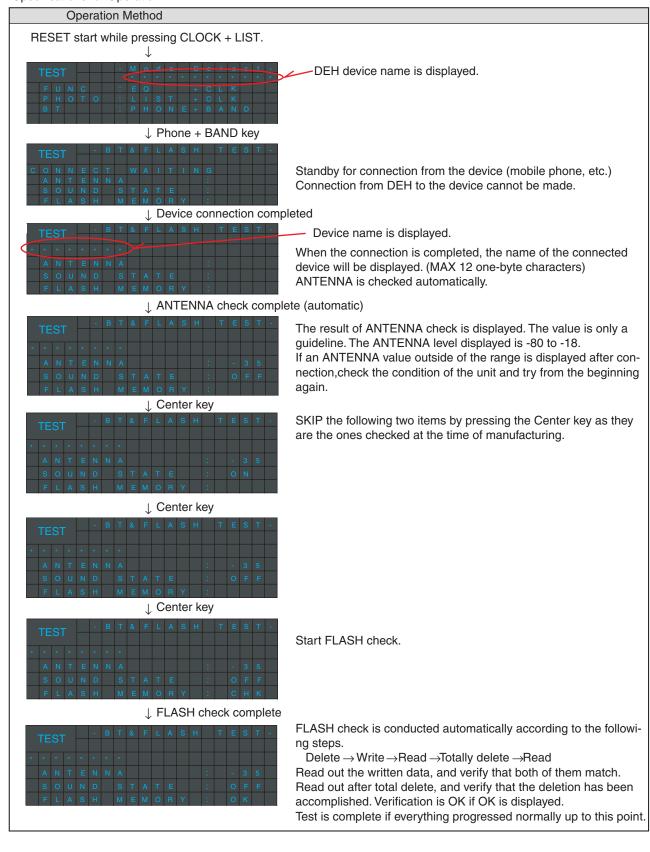
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DEH-P980BT/XN/UC

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1. Cautions

* When the service site has a 2.4 GHz-compliant spectrum analyzer, the peripheral facilities shown below are also required.

Also, the antenna terminal on BT unit must be directly connected to the cable.

A white coaxial cable connected to the antenna connector on BT unit is removed by taking out the upper case and CD mechanics of the product.

This task would be safer if a special connector-drawing jig is available.

Next, the U.FL connector from spectrum analyzer is connected. The styling of cable must be taken good care so as not to add further burden on BT antenna connector and to break it.

2. Outline of Functions

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The following confirmation is to be conducted by test mode in order to simply check BT actions using 2.4 GHz-compliant spectrum analyzer.

* Confirmation of output level of Bluetooth unit

3. Configuration Diagram

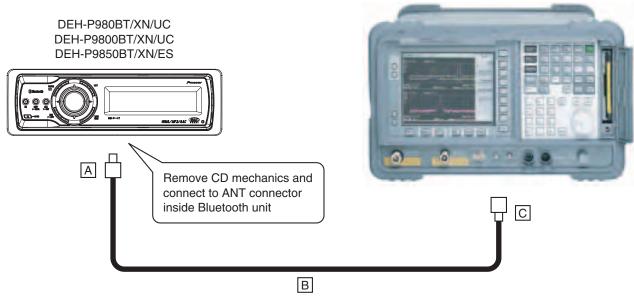
2.4 GHz-compliant spectrum analyzer

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A: U.FL-SMA conversion adapter

(Hirose Electric Co., Ltd CL311-0301-5)

B: Coaxial cable for SMA microwave

(Stack Electronics Co., Ltd. SMA • P-100-STF358)

C: SMA conversion connector

(Stack Electronics Co., Ltd. BA057)

DEH-P980BT/XN/UC

4. How to Start-up the Test Mode

Specifications for Operation

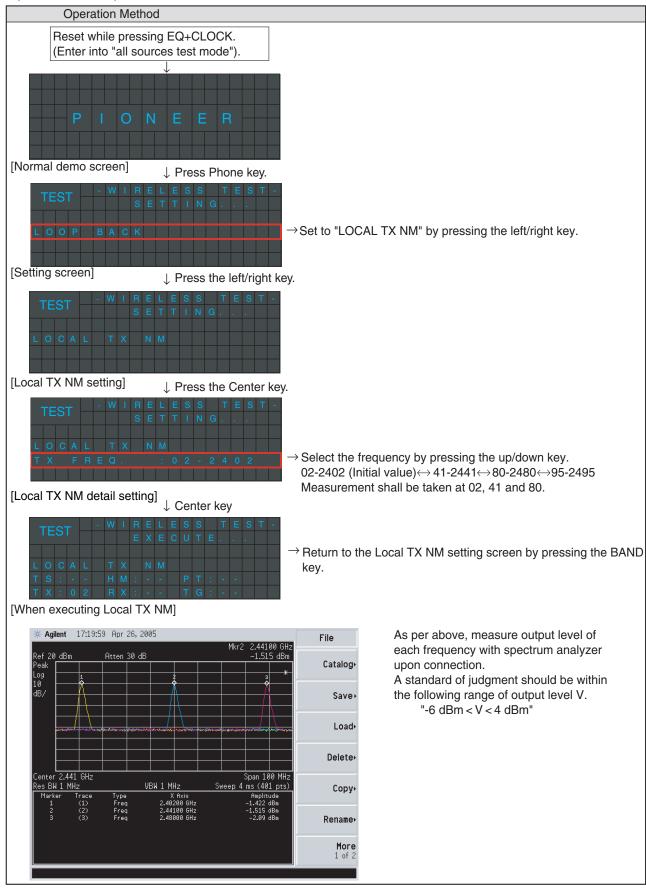
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DEH-P980BT/XN/UC

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7. GENERAL INFORMATION

7.1 DIAGNOSIS

7.1.1 DISASSEMBLY

- Removing the Case (not shown)
- 1. Remove the Case.

■ Removing the CD Mechanism Module (Fig.1)



Remove the four screws.

Disconnect the connector and then remove the CD Mechanism Module.

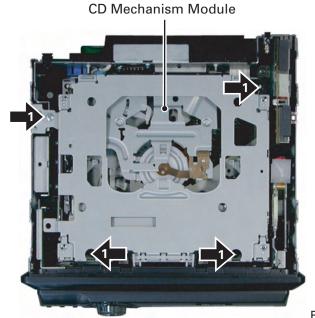


Fig.1

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Removing the Cord Assy (Fig.2)



Disconnect the Cord Assy by Jig GGF1539.



Fig.2

DEH-P980BT/XN/UC

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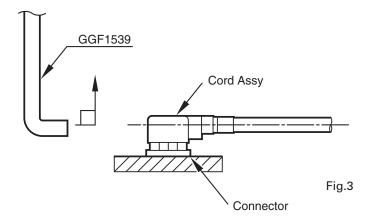
When unplugging the cord assy, make sure to use jig GGF1539.

If the antenna cable is directly unplugged without using jig GGF1539, you might damage your fingertip or fingernail.

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How to Remove the Cord Assy

When unplugging cord assy, hook the point of jig GGF1539 on the lid of cord assy and vertically draw out along with the engagement axis of connector.



How to Attach the Cord Assy

For inserting cord assy, adjust cord assy with the engagement axis of connector and insert it as vertically as possible.

Do not insert the cord assy in extreme slant, as the connector might suffer damage.

Removing the Grille Assy (Fig.4)



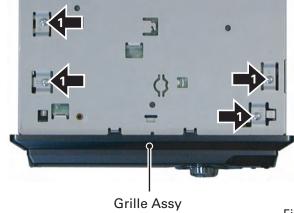
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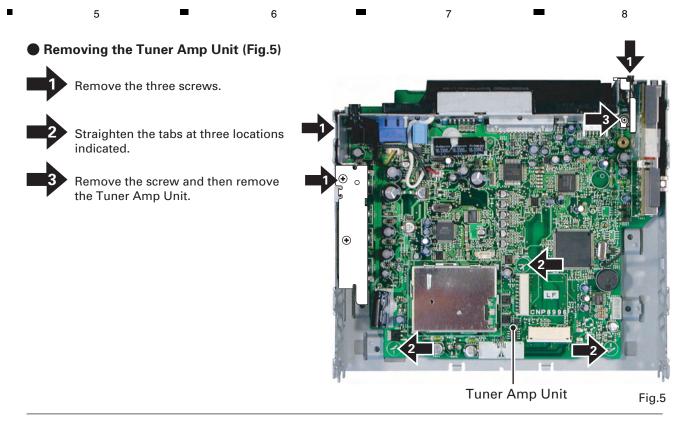
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Remove the four screws.

Disconnect the connector and then remove the Grille Assy.





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How to hold the Mechanism Unit

1. Hold the Upper and Lower Frames.

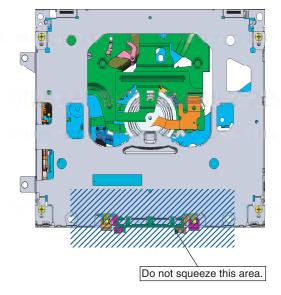
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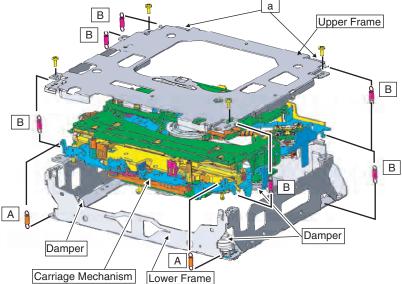
2. Do not hold the front portion of the Upper Frame, because it is not very solid.



Removing the Upper and Lower Frames

- 1. With a disc inserted and clamped in the mechanism, remove the two Springs (A), the six Springs (B), and the four Screws.
- 2. Turn the Upper Frame using the part "a" as a pivot, and remove the Upper Frame.
- 3. While lifting the Carriage Mechanism, remove it from the three Dampers.

Caution: When assembling, be sure to apply some alcohol to the Dampers and assemble the mechanism in a clamped state.



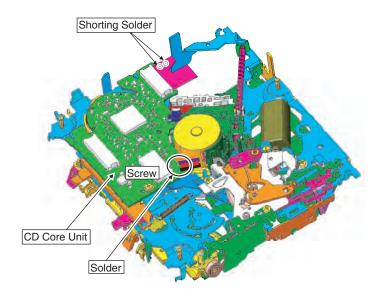
DEH-P980BT/XN/UC

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- 1. Apply Shorting Solder to the flexible cable of the Pickup, and disconnect it from the connector.
- 2. Unsolder the four leads, and loosen the Screw.
- 3. Remove the CD Core Unit.

Caution: When assembling the CD Core Unit, assemble it with the SW in a clamped state so as not to damage it.



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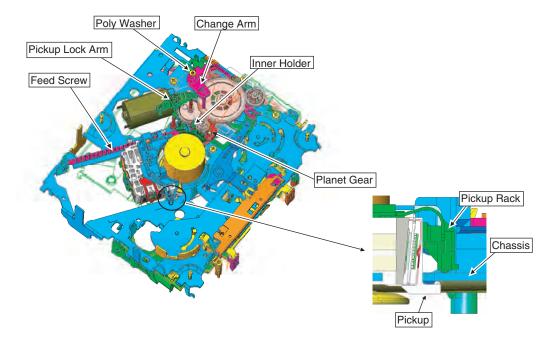
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How to remove the Pickup Unit

- 1. Make the system in the carriage mechanism mode, and have it clamped.
- 2. Remove the CD Core Unit and remove the leads from the Inner Holder.
- 3. Remove the Poly Washer, Change Arm, and Pickup Lock Arm.
- 4. While releasing from the hook of the Inner Holder, lift the end of the Feed Screw.

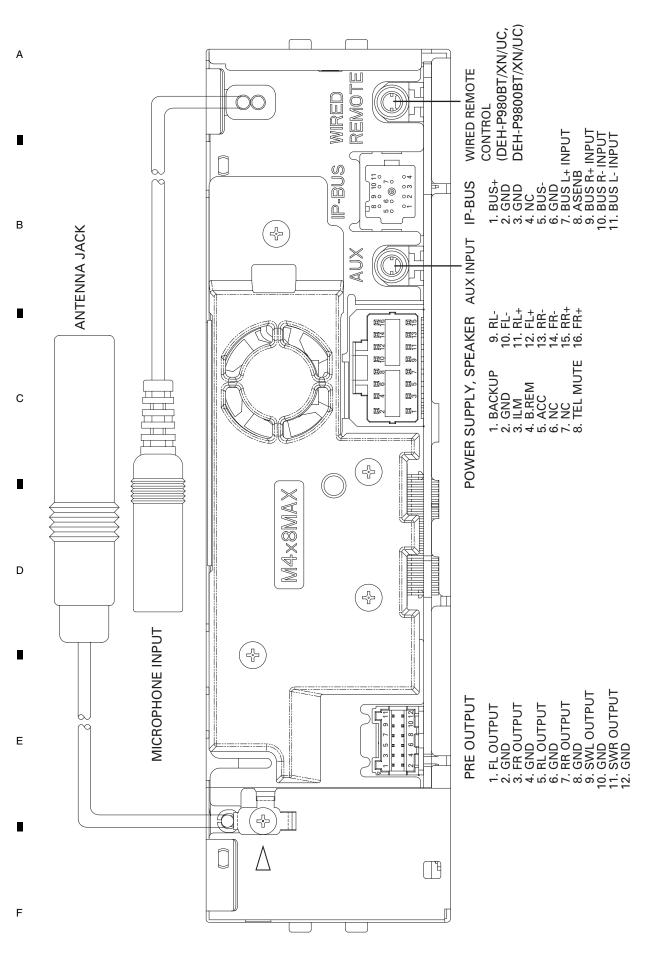
Caution: When assembling, move the Planet Gear to the load/eject position before setting the Feed Screw in the Inner

Assemble the sub unit side of the Pickup, taking the plate (Chassis) in-between. When treating the leads of the Load Carriage Motor Assy, do not make them loose over the Feed Screw.



DEH-P980BT/XN/UC

7.1.2 CONNECTOR FUNCTION DESCRIPTION



DEH-P980BT/XN/UC

7.2 IC

NJM2886DL3-33 PD8161A PD8162A UPD63763CGJ PE5552A

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PEG182A TC7WH32FU PD6544A GP1UX51RK S1D13702F00A100 HA12241FP AK7732VT PM9009A PCM1606EG TC74VHCT08AFTS1 TC74VHC08FTS1 PAL007B NJM4151M PM8003A PEG260A PEG261A S99-50084 TC4066BFT TC74VHC02FTS1 TC7PAU04FU AN6123MS AK2301A

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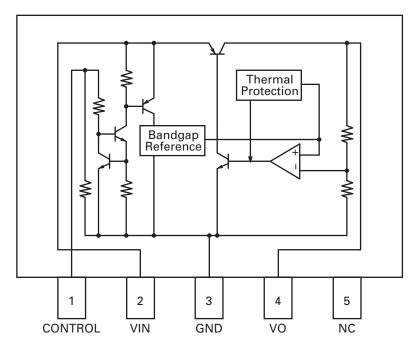
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NJM2886DL3-33



PD8161A (DEH-P9800BT/XN/UC, DEH-P9850BT/XN/ES) PD8162A (DEH-P980BT/XN/UC)

| BYTE# 1 A16 2 A15 3 A14 4 A13 5 A12 6 A11 7 A10 8 A9 9 A8 10 A19 11 A21 12 A20 13 | D15 / A-1 : Data output / Address input A0 to A22 : Address inputs D0 to D14 : Data outputs CE# : Chip enable input OE# : Output enable input BYTE# : Word / Byte select input | 48 Vss 47 Vss 46 D15/A-1 45 D7 44 D14 43 D6 42 D13 41 D5 40 D12 39 D4 38 Vcc 37 Vcc 36 A22 |
|---|--|--|
| A18 14 A17 15 A7 16 A6 17 A5 18 A4 19 A3 20 A2 21 A1 22 A0 23 CE# 24 | Vcc : Power supply voltage Vss : Ground | 35 D11 34 D3 33 D10 32 D2 31 D9 30 D1 29 D8 28 D0 27 OE# 26 Vss 25 Vss |

DEH-P980BT/XN/UC

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● Pin Functions (UPD63763CGJ)

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| | nctions (UPD63763 | | |
|---------|-------------------|-----|--|
| Pin No. | Pin Name | I/O | Function and Operation |
| 1 | | | Power supply for digital circuits |
| | D1.GND | | Ground for 1.6 V digital circuits |
| | RESET | ı | Input of reset |
| | AB12-8 | I | Address bus 12-8 from the microcomputer |
| 9-16 | AD7-0 | I/O | Address/data bus 7-0 to the microcomputer |
| 17 | CS | I | Chip selection |
| | ASTB | I | Address strobe |
| 19 | READ | I | Control signals(read) |
| 20 | WRITE | I | Control signals(write) |
| 21 | WAIT | 0 | Control signals(wait) |
| 22 | INTQ | 0 | Interruption signals to the external microcomputer |
| 23,24 | IFMODE0,1 | ı | Switching the microcomputer I/F 0, 1 |
| 25 | D1.VDD | | Power supply for 1.6 V digital circuits |
| 26 | DA.VDD | | Power supply for DAC |
| 27 | ROUT | 0 | Output of audio for the right channel |
| 28 | DA.GND | | Ground for DAC |
| | REGC | | Connected to the capacitor for band gap |
| | DA.GND | | Ground for DAC |
| | LOUT | 0 | Output of audio for the left channel |
| | DA.VDD | | Power supply for DAC |
| | X.VDD | | Power supply for the crystal oscillator |
| | XTAL | 1 | Connected to the crystal oscillator(16.934 4 MHz) |
| | XTAL | 0 | Connected to the crystal oscillator(16.934 4 MHz) |
| | X.GND | | Ground for the crystal oscillator |
| 37 | VDDREG15 | | Control of 1.6 V regulator |
| | PWMSW0 | ı | Setup 0 for PWM output(SD, MD) |
| | TEST3-1 | i | Connected to Ground |
| | PWMSW1 | i | Setup 1 for PWM output(FD, TD) |
| | TESTEN | ı | Connected to Ground |
| 44 | | | Ground for 1.6 V digital circuits |
| 45 | | 1 | Input of audio data |
| 46 | DOUT | 0 | Output of audio data |
| 47 | SCKIN | Ī | Clock input for audio data |
| | SCKO | O | Clock output for audio data |
| | LRCKIN | Ī | Input of LRCK for audio data |
| | LRCK | 0 | Output LRCK for audio data |
| | XTALEN | ı ı | Permission to oscillate 16.934 4 MHz |
| 52 | D1.VDD | • | Power supply for 1.6 V digital circuits |
| 53 | RFCK/HOLD | 0 | Output of RFCK/HOLD signal |
| 54 | WFCK/MIRR | 0 | Output of WFCK/MIRR signal |
| | PLCK/RFOK | 0 | Output of PLCK/Output of RFOK |
| | LOCK/RFOK | 0 | Output of LRCK/Output of RFOK |
| 57 | C1D1/C8M/(RA13) | 0 | Information on error correction/C8M : 8 MHz |
| 58 | C1D2/C16M/(RA12) | 0 | Information on error correction/C16M : 16 MHz |
| 59 | | 0 | Information on error correction/Mute for Rch |
| 60 | | 0 | Information on error correction/Mute for Lch |
| 61 | C2D3/SHOCK | 0 | Information on error correction/Mate for Len |
| 62 | | | Ground for 1.6 V digital circuits |
| 63 | | 0 | Output of 33.868 8 MHz(CLK for SDRAM) |
| 64 | (RCS) | 0 | DRAM CS |
| 65 | RA11 | 0 | Output of DRAM address 11 |
| 66 | | 0 | Output of DRAM CKE |
| 67 | RAS | 0 | Output of DRAM RAS |
| 68 | CASO(LDQM) | 0 | Output of DRAM lower CAS(LDQM) |
| 69 | CASU(LDQM) | 0 | Output of DRAM upper CAS(UDQM) |
| 69 | CAS I(UDQIVI) | U | Output of DUVINI abbei CAS(ODAINI) |

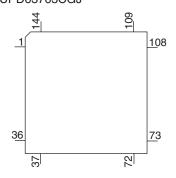
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DEH-P980BT/XN/UC

| Pin No. | Pin Name | I/O | Function and Operation |
|------------|----------|-------------|---|
| 70 | WE | 0 | Output of DRAM WE |
| 71 | OE(CAS) | 0 | Output of DRAM OE(CAS) |
| 72 | D.GND | | Ground for digital circuits |
| 73-88 | | I/O | Input/output of DRAM data0-15 |
| 89-99 | RA0-10 | 0 | Output of DRAM address0-10 |
| 100 | D.VDD | | Power supply for digital circuits |
| 101 | FD+ | 0 | Output of focus drive PWM + |
| 102 | FD- | 0 | Output of focus drive PWM - |
| 103 | TD+ | 0 | Output of tracking drive PWM + |
| 104 | TD- | 0 | Output of tracking drive PWM - |
| 105 | SD+ | 0 | Output of thread drive PWM + |
| 106 | SD- | 0 | Output of thread drive PWM - |
| 107 | MD+ | Ö | Output of spindle drive PWM + |
| 108 | MD- | 0 | Output of spindle drive PWM - |
| 109 | REFOUTSV | 0 | REFOUT for servo |
| 110 | AD.VDD | | Power supply for ADC |
| 111 | EFM | 0 | Output of EFM signals |
| 112 | ASY | i | Input of asymmetry |
| 113 | ATEST | 0 | Analog tests |
| 114 | RFI | ĭ | Input of RF |
| 115 | AD.GND | • | Ground for the analog system |
| 116 | AGCO | 0 | Output of RF |
| 117 | C3T | 0 | Connection to the capacitor for detecting 3T |
| 118 | AGCI | Ī | Input of AGC |
| 119 | | 0 | Output of RF(AGC) |
| 120,121 | | Ī | Equalizer 2, 1 |
| 120,121 | RF2- | ı | Reversal input of RF2 |
| 123 | RF- | ı | Reversal input of RF |
| 124 | A.GND | | Ground for the analog system |
| 125 | A | ı | Input of A |
| 126 | C | ı | Input of C |
| 127 | В | ı | Input of B |
| 128 | D | ı | Input of D |
| 129 | F | ı | Input of F |
| 130 | E | ı | Input of E |
| 131 | VREFIN | ı | Input of E |
| 132 | A.VDD | 1 | Power supply for the analog system |
| 133 | | 0 | Output of reference voltage |
| | REFC | I | Connected to the capacitor for output of REFOUT |
| 135 | FE- | 1 | Reversal input of FE |
| 136 | FEO | 0 | Output of FE |
| 136 | ADIN | | Input of FE, TE A/D converter |
| | TE- | I I | Reversal input of TE |
| 138 | TEO | 0 | Output of TE |
| 139 | | | TE2 |
| 140 | TE2 | 0 | TEC |
| 141 | TEC | | Output of LD |
| 142 | LD | 0 | Input of PD |
| 143 144 | D.GND | I | Ground for digital circuits |
| 144 | ט.טווט. | | around for digital circuits |

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● Pin Functions (PE5552A)

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| Pin No. | Pin Name | I/O | Format | Function and Operation |
|----------|---------------|--------------|--|---|
| 1 | AVREF | | | A power supply / Positive power supply(5 V) |
| 2 | AVSS | | | A power supply GND |
| 3 | TESTIN | | | Chip check test program starting input |
| 4 | CLAMP | | | Not used |
| | EVDD | | | E power supply / Positive power supply |
| | FMODE | | | For flash rewriting / L : flash rewriting mode |
| | FLRQ | | | For flash rewriting / Reset voltage control |
| | IC/FLMD0 | | | IC : VSS direct connection/FLMOD0 : Pull-down |
| | VDD | | | Positive power supply(5 V) |
| | REGC | | | Connected to the capacity stabilizing output of the regulator |
| | | | | |
| | VSS | | | GND |
| | X1 | | | Oscillator connection for mainclock |
| | X2 | | | Oscillator connection for mainclock |
| | RESET | ı | | System reset input |
| | XT1 | I | | Connected to the oscillator for subclock(connected to VSS via the resisto |
| 16 | XT2 | | | Connected to the oscillator for subclock(Open) |
| 17 | PULLDOWN | I | | Connected to EVDD or EVSS via the resistor |
| 18 | EJSW | | | Not used |
| | XINT | I | С | CD LSI interruption signal input |
| | NC | | | Not used |
| | BRST | ı | | Bus reset input |
| | BSI | i | | Bus serial data input |
| | BSO | 0 | С | Bus serial data output |
| | BSCK | 1/0 | | Bus serial clock input/output |
| | | | /C | |
| | FTxD | 0 | С | For flash rewriting(transmitted signal) |
| | FRxD | <u> </u> | | For flash rewriting(received signal) |
| | BRXEN | I/O | /C | Bus RX enable input/output |
| | BSRQ | I/O | /C | Bus serial clock input/output |
| | DSPOK | | | Not used |
| | DSCSNS | | С | Disc state sense input |
| | 8EJ(S905) | I | С | input of detection of 8 cm disc ejection |
| 32 | 12EJ(S904) | | С | input of detection of 12 cm disc ejection |
| 33 | EVSS | | | E power supply GND |
| | EVDD | | | E power supply / Positive power supply |
| | SRAMLEVEL0,1 | 0 | | SRAM level meter output |
| | EMPH | 0 | С | Emphasis information output |
| | EMPH | | | Not used |
| | CDMUTE | | | Not used |
| | LOEJ | | | Not used |
| | | | | |
| | CLCONT | <u> </u> | | Driver input switching output |
| | HOME | <u> </u> | | Home SW sense input |
| | ADENA | 0 | C | A/D reference voltage supply control output |
| | LRCKOK | 0 | С | (DOUT mute output) |
| | SRAMLEVEL2 | 0 | С | SRAM level meter output |
| | CD3VON(MCKRQ) | 0 | С | CD + 3.3 V power supply control output(Digital output : MCKRQ) |
| | CONT | 0 | С | Servo driver power supply control output |
| | XRST | 0 | С | CD LSI reset control output |
| 49 | VDCONT | 0 | С | VD power supply control output |
| | XSI | | | CD LSI serial data input |
| | XSO | 0 | С | CD LSI serial data output |
| | XCK | 0 | C | CD LSI serial clock output |
| | XWAIT | - | C | CD LSI wait control signal input |
| | XASTB | 0 | C | CD LSI address strobe output |
| | AD0 | 0 | C | Address/data Bus 0 |
| 55 56 | INT | 0 | | Not used |
| nn l | IIII | | 1 | LINULUSEU |

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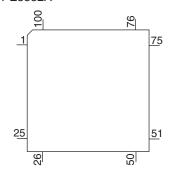
| Pin No. | Pin Name | I/O | Format | Function and Operation |
|---------|----------|-----|--------|--|
| 57 | ROMDATA | I/O | | E2PROM data input/output |
| 58 | ROMCK | 0 | | E2PROM clock output |
| 59 | ROMCS | 0 | С | E2PROM chip selection output |
| 60,61 | NC | | | Not used |
| 62 | CLKOUT | | | Not used |
| 63 | LOCK | I | | Spindle lock input |
| 64-68 | NC | | | Not used |
| 69 | BVSS | | | B power supply GND |
| 70 | BVDD | | | B power supply / Positive power supply |
| 71-75 | NC | | | Not used |
| 76 | FLMD1 | I/O | /C | Address/Data Bus 5 |
| 77-90 | NC | | | Not used |
| 91-93 | A/D | | | Not used |
| 94 | CSENS | | | Not used |
| 95 | TYPE_A/D | | | Not used |
| 96,97 | NC | | | Not used |
| 98 | TEMP | | | Not used |
| 99 | VDSENS | I | | VD power supply short sense input |
| 100 | DSCSNS | | | Not used |

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| Format | meaning |
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● Pin Functions (PEG182A)

| T III I U | nctions (PEG | 102A) | | |
|-----------------|--------------|----------|----------|---|
| Pin No. | Pin Name | I/O | Format | Function and Operation |
| 1 | DRIVE_CS | 0 | С | Anode driver IC chip select output |
| 2 | ROMDT | I/O | /C | ROM correction : Data input/output |
| 3 | ROMCS | 0 | С | ROM correction : Chip select output |
| 4 | ROMCK | 0 | С | ROM correction : Clock output |
| 5 | REM | I | | Remote control reception input |
| 6 | BYTE | I | | GND connection |
| 7 | CNVSS | I | | GND connection |
| 8 | NC | | | Not used OPEN |
| 9 | BTLED | 0 | С | Bluetooth attestation LED output |
| 10 | RESET | 1 | | Reset input |
| 11 | XOUT | 0 | | Crystal oscillating element connection pin |
| 12 | VSS1 | | | GND connection |
| 13 | XIN | 1 | | Crystal oscillating element connection pin |
| 14 | VCC1 | - | | VDD connection |
| 15 | NMI | 1 | | Pull up |
| 16 | OELINT | i | | OEL controller : VSYNC interrupt notification input |
| 17 | OELRESET | Ö | С | OEL controller : Reset output |
| 18 | FLRESET | 0 | Č | Flash memory : Reset output |
| 19 | FLBUSY | Ī | | Flash memory : READY and BUSY signal detect input |
| 20 | FLCE-ON | 0 | С | Flash memory : Chip enable output |
| 21 | P2CE-ON | 0 | C | P2ROM : Chip enable output |
| 22 | ROMBK2 | 0 | C | Image ROM : Bank address output |
| 23 | ROMBK1 | 0 | C | Image ROM : Bank address output |
| <u>23</u> 24 | ROMBK0 | 0 | C | Image ROM: Bank address output |
| 24 25 | NC | 0 | <u> </u> | Not used |
| | KS2-KS0 | | | |
| 26-28 | | 0 | N.I. | Key strobe output |
| 29 | KYDT | 0 | N | Key data output |
| 30 | DPDT | I | | Display data input |
| 31,32 | NC | | | Not used |
| 33 | CDTX | 0 | С | CD mechanism : Data output |
| 34 | CDRX | I | | CD mechanism : Data input |
| 35,36 | NC | 0 | | Not used |
| 37 | RDY | I | | RDY signal input |
| 38 | NC | | | Not used OPEN |
| 39 | HOLD | I | | Pull up |
| 40 | NC | | | OPEN |
| 41 | BCLK | | _ | OEL controller : clock output |
| 42 | RD | 0 | С | Image ROM : Read stobe output |
| 43 | NC | | _ | OPEN |
| 44 | WR | 0 | С | Write strobe output |
| 45-47 | CS0-CS2 | 0 | С | External ROM chip select output |
| 48-59 | A20-A9 | 0 | С | Address bus 20-19 output |
| 60 | VCC2 | | | VDD connection |
| 61 | A8 | 0 | С | Address bus 8 output |
| 62 | VSS2 | | | GND connection |
| 63-70 | A7-A0 | 0 | С | Address bus 7-0 output |
| 71-86 | D15-D0 | I/O | С | Data bus 15-0 input / output |
| 87,88 | NC | | | Not used |
| 89 | JOYST | ı | | Rotary commander data input |
| 90 | NC | | | Not used |
| 91-93 | KD2-KD0 | ı | | Key data input |
| 94 | AVSS | <u> </u> | | GND connection |
| 95 | NC | | | Not used |
| 96 | VREF | | | GND connection |
| 97 | AVCC | | | VCC connection |
| 98,99 | NC | | | Not used |
| 100 | OELROMCS | 0 | С | E2 ROM : Chip select output |
| 100 | OLLI IOIVIOS | | | LE NOW. Only select output |

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DEH-P980BT/XN/UC

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PEG182A | 100 | 76 | 75

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TC7WH32FU

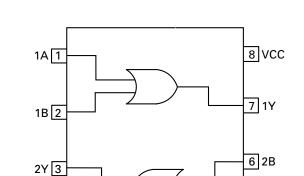
| Format | Meaning |
|--------|----------------|
| С | CMOS |
| N | Nch open drain |

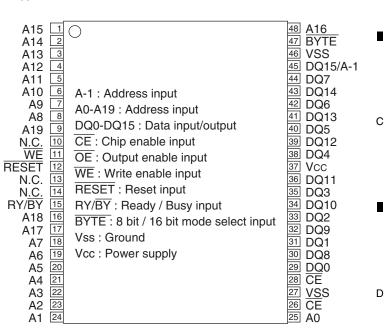
8

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PD6544A

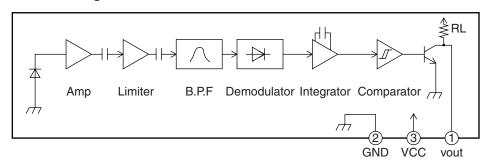




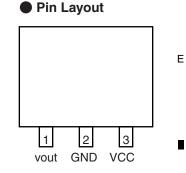
GP1UX51RK

GND 4

Block Diagram



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DEH-P980BT/XN/UC

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S1D13702F00A100

Pin Layout

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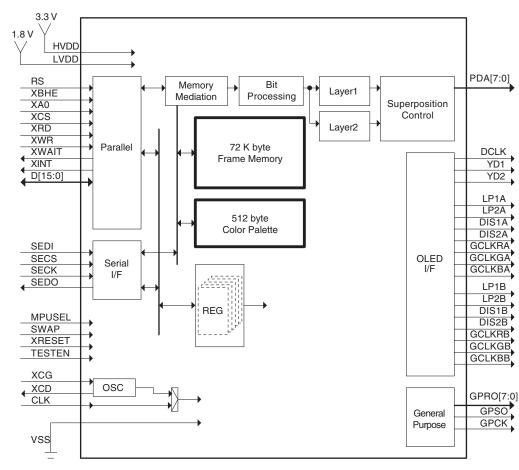
F

LLVDD
XINT
XA0
XA0
XBHE
XWR
XRD
RS
SEDO
SECK
SECS
SEDI
XRESET
SWAP
MPUSEL
HVDD
XCG
VSS
XCG
VSS
XCG 09 HVDD [LVDD 61 XWAIT GPSO D[0] GPRO[7] D[1] GPRO[6] GPRO[5] D[2] GPRO[4] D[3] GPRO[3] D[4] D[5] GPRO[2] D[6] GPRO[1] D[7] GPRO[0] VSS VSS D[8] DIS2B DIS1B D[9] D[10] **GCLKBB** GCLKGB D[11] **GCLKRB** D[12] D[13] LP2B D[14] LP1B DCLK D[15] 80 LVDD HVDD HVDD LP1A LP2A GCLKRA GCLKGA GCLKBA DIS1A DIS2A VD VSS
PDA[0]
PDA[1]
PDA[1]
PDA[2]
PDA[3]
PDA[4]
PDA[5]
PDA[6]

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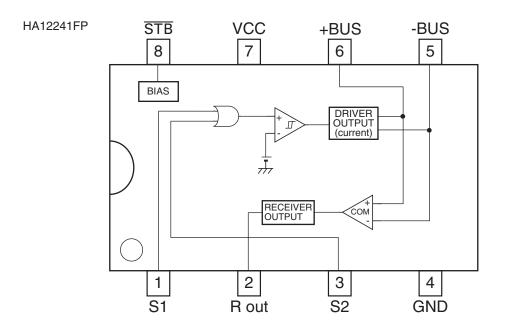
Block Diagram



102

DEH-P980BT/XN/UC

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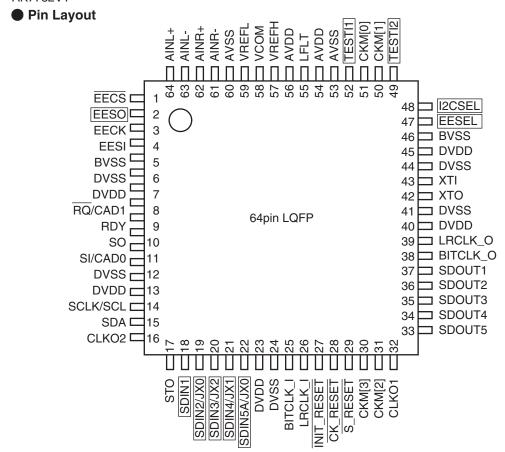
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AK7732VT

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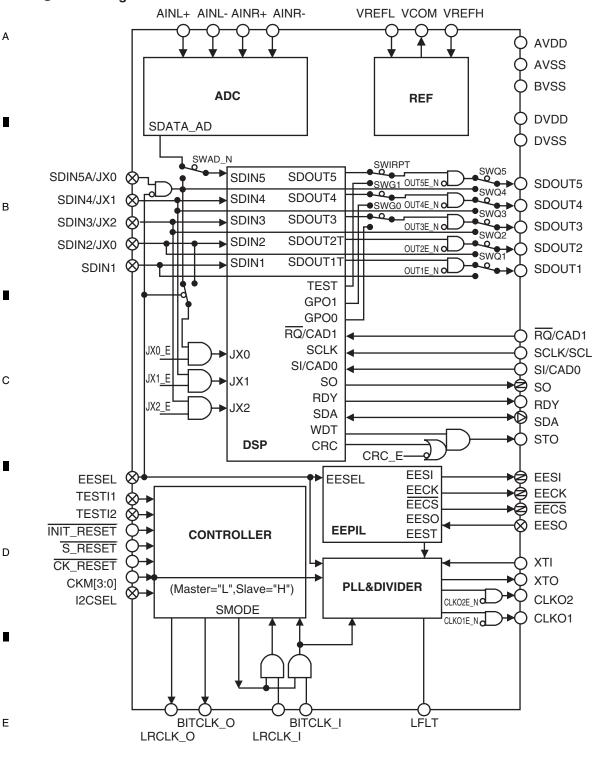
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DEH-P980BT/XN/UC

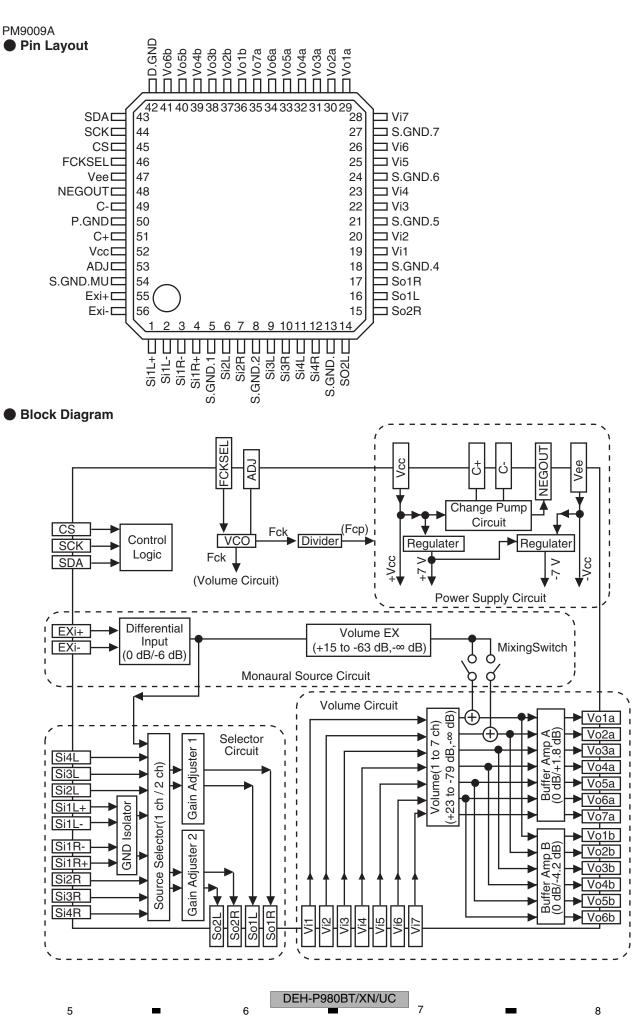
1 2 3 4

Block Diagram



104 DEH-P980BT/XN/UC

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PCM1606EG

Pin Layout

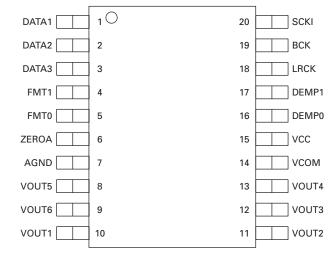
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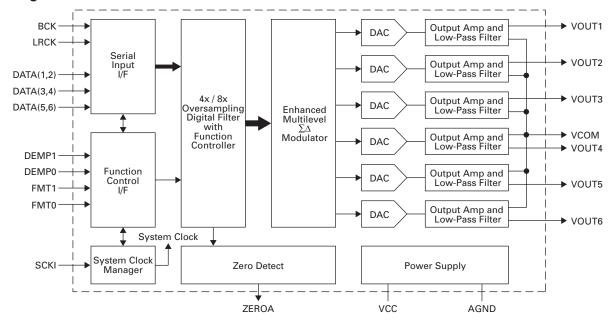
С

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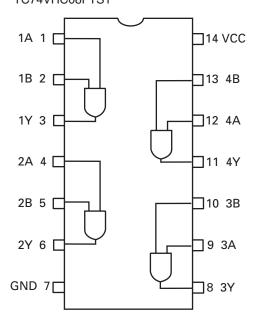
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Block Diagram

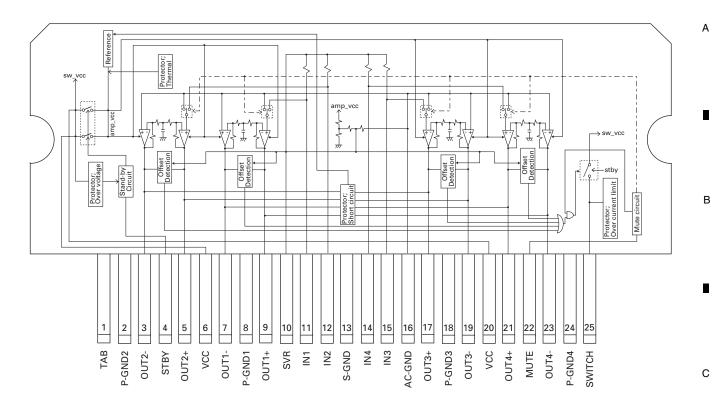


TC74VHCT08AFTS1, TC74VHC08FTS1



DEH-P980BT/XN/UC

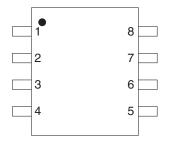
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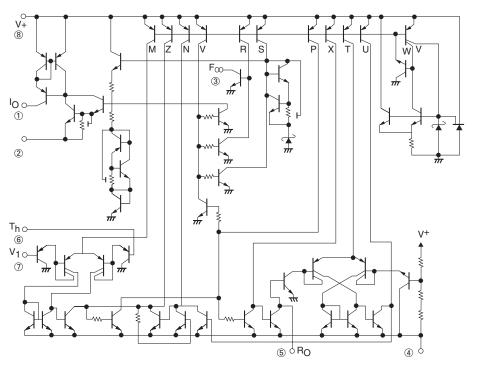
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NJM4151M **● Pin Layout**



Block Diagram

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DEH-P980BT/XN/UC

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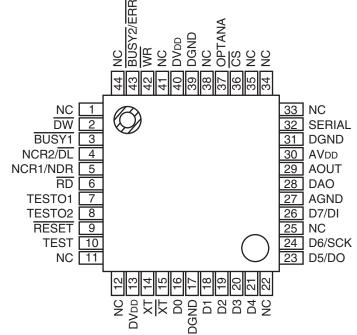
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PM8003A

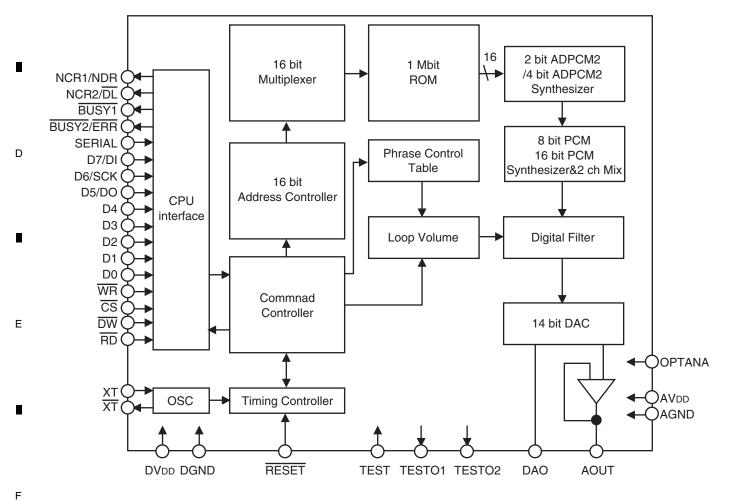
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Pin Layout



C ■ Block Diagram



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DEH-P980BT/XN/UC

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| Pin Funct | ions(PEG260A, F | PEG261A) | | | | |
|-----------|-----------------|--------------|-------------------------------------|--|--|--|
| Pin No. | Pin Name | I/O | Function and Operation | | | |
| 1 | DPDT | 0 | GRILLE : Data output | | | |
| 2 | SWVDD | 0 | GRILLE : Chip enable output | | | |
| 3 | OELPW | | OEL power supply output | | | |
| 4 | NC | | Not used | | | |
| 5 | MEMDO | 0 | External memory : Data output | | | |
| 6 | MEMDI | i | External memory : Data input | | | |
| 7 | MEMCK | 0 | External memory : Clock output | | | |
| 8 | NC | | Not used | | | |
| 9 | FLPOPN | 0 | Flap open operation output | | | |
| 10 | FLPCLS | 0 | Flap close operation output | | | |
| 11 | FOPNSW | T i | Flap open sense input | | | |
| | FCLSSW | | | | | |
| 12 | | | Flap close sense input | | | |
| 13 | FLPPW | 0 | Flap motor operation output | | | |
| 14 | NC | | Not used | | | |
| 15,16 | BYTE1,2 | 1 | Connect to GND | | | |
| 17 | NC | | Not used | | | |
| 18 | ROMDATA | I/O | ROM correction : Data input/output | | | |
| 19 | RESET | I | Reset input | | | |
| 20 | Xout | 0 | Clock output | | | |
| 21 | Vss | | GND | | | |
| 22 | Xin | I | Clock input | | | |
| 23 | Vcc1 | | Power supply terminal | | | |
| 24 | NMI | | Not used | | | |
| 25 | NC | | Not used | | | |
| 26 | NC | | Not used | | | |
| 27 | ROMCK | 0 | ROM correction : Clock output | | | |
| 28 | NC | | Not used | | | |
| 29 | ROMCS | 0 | ROM correction : Chip select output | | | |
| 30 | NC | | Not used | | | |
| | PEE | 0 | | | | |
| 31 | | 0 | PEE sound output Not used | | | |
| 32 | NC NC | | | | | |
| 33 | NC | | Not used | | | |
| 34 | TUNPCE1 | 0 | TUNER : Chip enable output | | | |
| 35 | TUNPCE2 | 0 | TUNER : Chip enable output | | | |
| 36 | RX | I | IPBUS : Input | | | |
| 37 | TX | 0 | IPBUS : Output | | | |
| 38 | BSO | 0 | P-BUS output | | | |
| 39 | VCC1 | | Power supply terminal | | | |
| 40 | BSI | I | P-BUS input | | | |
| 41 | VSS | | GND | | | |
| 42 | BSCK | 0 | P-BUS clock output | | | |
| 43 | NC | | Not used | | | |
| 44 | BTTX | 0 | BT driver : Data output | | | |
| 45 | BTRX | Ī | BT driver : Data input | | | |
| 46 | RTS0 | 0 | BT driver: RTS output | | | |
| 47 | BTCTS | T i | BT driver : CTS input | | | |
| 48 | NC | | Not used | | | |
| 49 | TUNPDI | | TUNER : PLL data input | | | |
| 50 | TUNPDO | 0 | TUNER: PLL data output | | | |
| 51 | TUNPCK | 0 | TUNER: PLL clock output | | | |
| | | | | | | |
| 52 52 | AUIWR | 0 | AUI : Write signal output | | | |
| 53 | AUICS | 0 | AUI : Chip select output | | | |
| 54 | AUISDO | 0 | AUI : Data output | | | |
| 55 | AUISCK | 0 | AUI : Serial clock output | | | |
| 56 | AUIRST | 0 | AUI : Reset output | | | |
| 57 | VSS | | GND | | | |
| 58 | MUTE | 0 | System mute output | | | |

DEH-P980BT/XN/UC

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| Pin No. | Pin Name | I/O | Function and Operation | | |
|---------|----------|----------------------------|--|--|--|
| 59 | VCC | , - | Power supply terminal | | |
| 60 | EVOLCS | 0 | EVOL : Chip select output | | |
| 61 | FCKSEL | 0 | EVOL : Freguency select output | | |
| 62 | PCL | Ō | Output for clock adjustment | | |
| 63 | AUIBUSY | ī | AUI : Busy input | | |
| 64 | IPPW | Ö | IPBUS : Driver power supply control output | | |
| 65 | ASENBO | 0 | IPBUS : Slave ACC sense output | | |
| 66 | MICSENS | Ī | Microphone sense input | | |
| 67 | AUIMUTE | 0 | AUI : Mute output | | |
| 68 | NC | | Not used | | |
| 69 | DSPCLR | 0 | DSP : RAM clear request output | | |
| 70 | DSPDRDY | ī | DSP : Data write ready input | | |
| 71 | DSPIRST | 0 | DSP : Reset output | | |
| 72 | CKRST | 0 | DSP : Clock reset output | | |
| 73 | DSPRST | 0 | DSP : System reset output | | |
| 74 | VCC | 0 | Power usupply terminal | | |
| 75 | DSPRQ | 0 | DSP : Interface request output | | |
| 76 | VSS | - | GND | | |
| 77 | SMODE | 0 | | | |
| | BTHF AEQ | | Mode select output H: Master L: Slave Source select output H: AUTO EQ L: Bluetooth H/F | | |
| 78 | BRSQ | 0 | | | |
| 79 | | I | P-BUS : Service request input | | |
| 80 | BRST | 0 | P-BUS: Reset output | | |
| 81 | BRXEN | I/O | P-BUS: Reception enable input/output | | |
| 82 | LRCKOK | I | LR clock OK information input | | |
| 83 | RST2 | 0 | CD reset output | | |
| 84 | MCKRQ | I | Master clock request input | | |
| 85 | NC | | Not used | | |
| 86 | MEMCS | 0 | External memory : Chip select output | | |
| 87 | MEMWP | 0 | External memory : Write protect output | | |
| 88 | DSPIN | | DSP: Data input | | |
| 89 | DSPCK | I/O | DSP : Clock input/output | | |
| 90 | DSPOUT | 0 | DSP : Data output | | |
| 91 | VCC | | Power supply terminal | | |
| 92 | AMPPW | 0 | Amp power supply control output | | |
| 93 | VSS | | GND | | |
| 94 | BTRST | 0 | BT driver : Reset output | | |
| 95 | BTTEST | 0 | BT driver : RF test output | | |
| 96 | BTMUTE | 0 | Mute output for Bluetooth sound codec | | |
| 97 | BTPW | 0 | BT driver : Power supply ON/OFF output | | |
| 98 | DALMON | 0 | For consumption current reduction output | | |
| 99 | SYSPW | 0 | System power control output | | |
| 100 | DSPPW | 0 | DSP : Power control output | | |
| 101,102 | NC | <u> </u> | Not used | | |
| 103 | ASENS | | ACC sense input | | |
| 104 | BSENS | <u> </u> | Back up sense input | | |
| 105 | ISENS | I Illumination sense input | | | |
| 106 | NC | Not used | | | |
| 107 | KEYD | | Wired remote control key input | | |
| 108 | MODEL | | Model select select input | | |
| 109 | BTEXIST | | Bluetooth model select input | | |
| 110 | BTAN_AUX | 0 | Source select output(Bluetooth AV profile/AUX) | | |
| 111 | ILMPW | 0 | Illumination output | | |
| 112 | FLPILM | 0 | | | |
| 113-122 | NC | Not used | | | |
| 123 | TELIN | I Mobile phone mute input | | | |
| 124 | ROT1 | I | Rotary encoder pulse input | | |
| 125 | ROT0 | 1 1 | Rotary encoder pulse input | | |

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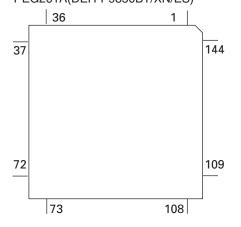
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DEH-P980BT/XN/UC

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| Pin No. | Pin Name | I/O | Function and Operation | | |
|---------|----------|-----|---|--|--|
| 126 | TESTIN | I | Test program input | | |
| 127-129 | NC | | Not used | | |
| 130 | VSS | | GND | | |
| 131 | NC | | Not used | | |
| 132 | VCC | | Power supply terminal | | |
| 133 | NC | | Not used | | |
| 134 | BATIND | ı | Battery indicator input | | |
| 135 | KEYAD | I | Wired remote control analog voltage input | | |
| 136 | GAUGE | | Gauge input | | |
| 137 | DSENS | I | Detach sense input | | |
| 138 | NC | | Not used | | |
| 139 | ASLIN | I | ASL input | | |
| 140 | AVSS | | A/D converter ground | | |
| 141 | SL | I | TUNER : Signal level input | | |
| 142 | VREF | | A/D converter reference voltage | | |
| 143 | AVCC | | A/D converter power supply input terminal | | |
| 144 | KYDT | I | GRILLE : Data input | | |

PEG260A(DEH-P980BT/XN/UC, DEH-P9800BT/XN/UC) PEG261A(DEH-P9850BT/XN/ES)

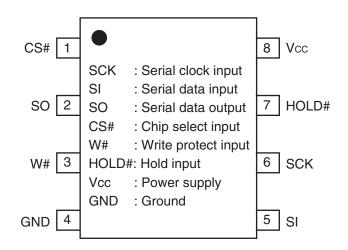


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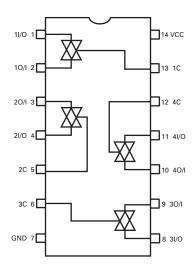
S99-50084

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TC4066BFT



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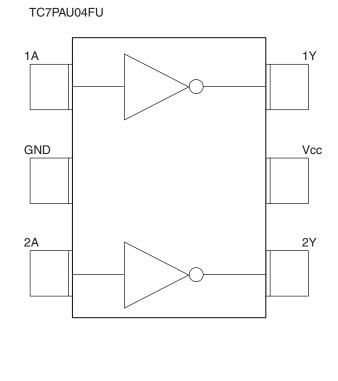
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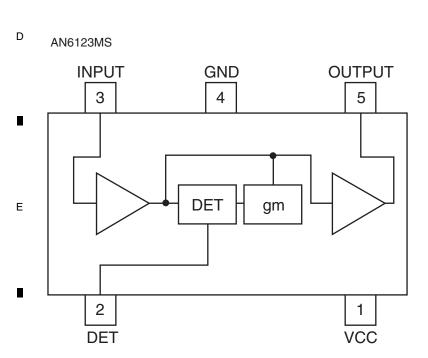
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TC74VHC02FTS1 Α]14 VCC 1 1Y [13 4Y 2 1A [12 4B 3 1B[В 4 2Y []11 4A]10 3Y 5 2A] 9 3B 6 2B 7 GND [___8 3A

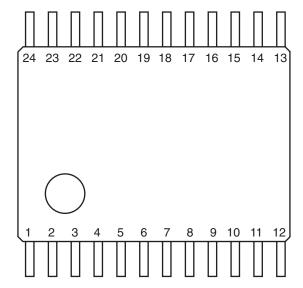




112 DEH-P980BT/XN/UC

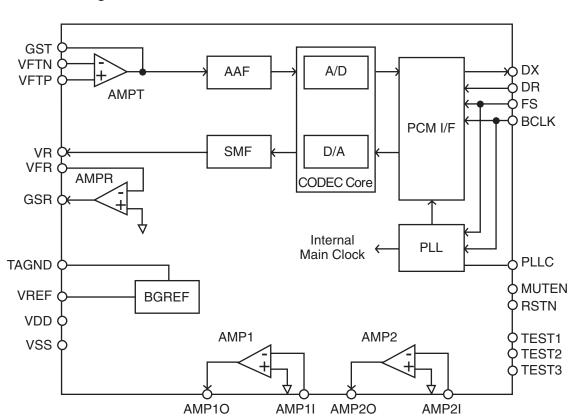
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Block Diagram



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DEH-P980BT/XN/UC

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● FM/AM Tuner Unit

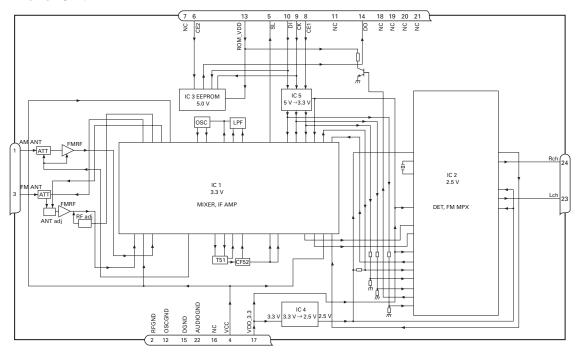
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| No. | Symbol | I/O | Explain | | | |
|-----|----------|-----|------------------|---|--|--|
| 1 | AMANT | 1 | AM antenna input | AM antenna input high impedance AMANT pin is connected with | | |
| | | | | an all antenna by way of 4.7 μH. (LAU type inductor)A series circuit | | |
| | | | | including an inductor and a resistor is connected with RF ground for | | |
| | | | | the countermeasure against the hum of power transmission line. | | |
| 2 | RFGND | | RF ground | Ground of antenna block | | |
| 3 | FMANT | -1 | FM antenna input | Input of FM antenna 75 Ω Surge absorber(DSP-201M-S00B) is necessary. | | |
| 4 | VCC | | power supply | The power supply for analog block. D.C 8.4 $V\pm$ 0.3 V | | |
| 5 | SL | 0 | signal level | Output of FM/AM signals level | | |
| 6 | CE2 | -1 | chip enable-2 | Chip enable for EEPROM "Low" active | | |
| 7 | NC | | non connection | Not used | | |
| 8 | CE1 | - 1 | chip enable-1 | Chip enable for AF•RF "High" active | | |
| 9 | CK | - | clock | Clock | | |
| 10 | DI | - 1 | data in | Data input | | |
| 11 | NC | | non connection | Not used | | |
| 12 | OSCGND | | osc ground | | | |
| 13 | ROM_VDD | | power supply | Power supply for EEPROM pin 13 is connected with a power supply of | | |
| | | | | micro computer. | | |
| 14 | DO | 0 | data out | Data output | | |
| 15 | DGND | | digital ground | Ground of digital block | | |
| 16 | NC | | non connection | Not used | | |
| 17 | VDD_3.3 | | power supply | The power supply for digital block. 3.3 V \pm 0.2 V | | |
| 18 | NC | | non connection | Not used | | |
| 19 | NC | | non connection | Not used | | |
| 20 | NC | | non connection | Not used | | |
| 21 | NC | | non connection | Not used | | |
| 22 | AUDIOGND | | audio ground | Ground of audio block | | |
| 23 | Lch | 0 | L channel output | FM stereo "L-ch" signal output or AM audio output | | |
| 24 | R ch | 0 | R channel output | FM stereo "R-ch" signal output or AM audio output | | |

DEH-P980BT/XN/UC

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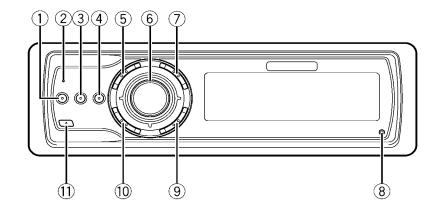
Ε

Completes power-on operation. (After that, proceed to each source operation)

DEH-P980BT/XN/UC

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8. OPERATIONS



Head unit

1 EQ button

Press to select various equalizer curves.

② Connection status indicator

Lights up when your cellular phone is connected via Bluetooth wireless technology.

③ DISPLAY button

Press to select different displays.

4 CLOCK button

Press to change to the clock display.

5 PHONE button

Press to select the phone as the source. While operating a phone source, press to end a call, reject an incoming call or cancel making a call.

6 MULTI-CONTROL

Move to perform manual seek tuning, fast forward, reverse and track search controls. Also used for controlling functions.

Turn to increase or decrease the volume.

7 LIST button

Press to display the disc title list, track title list, folder list, file list or preset channel list depending on the source.

8 RESET button

Press to reset the microprocessor.

BAND button

Press to select among three FM bands and one AM band and to cancel the control mode of functions.

10 SOURCE button

This unit is turned on by selecting a source. Press to cycle through all the available sources.

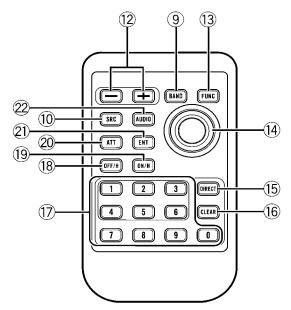
11 EJECT button

Press to eject a CD from your built-in CD player.

Press and hold to open or close the front panel.

Remote control

Operation is the same as when using the buttons on the head unit.



12 VOLUME buttons

Press to increase or decrease the volume.

13 FUNCTION button

Press to select functions.

14 Joystick

Move to perform manual seek tuning, fast forward, reverse and track search controls. Also used for controlling functions. Functions are the same as

MULTI-CONTROL except for volume control.

15 DIRECT button

Press to directly select the desired track.

16 CLEAR button

Press to cancel the input number when **0–9** are used.

(17) 0–9 buttons

Press to directly select the desired track, preset tuning or disc. Buttons **1–6** can operate the preset tuning for the tuner or disc number search for the multi-CD player.

(18) OFF HOOK button

Press to start talking on the phone while operating a phone source.

19 ON HOOK button

While operating the phone source, press to end a call or reject an incoming call.

20 ATT button

Press to quickly lower the volume level, by about 90%. Press once more to return to the original volume level.

21) ENTERTAINMENT button

Press to change to the entertainment display.

2 AUDIO button

Press to select various sound quality controls.

В

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Turning the unit on

• Press SOURCE to turn the unit on.

When you select a source, the unit is turned on. \blacksquare

Selecting a source

You can select a source you want to listen to.
To switch to the built-in CD player, load a disc in the unit.

Press SOURCE to select a source.

Press **SOURCE** repeatedly to switch between the following sources:

XM tuner—SIRIUS tuner—Tuner—Television—DVD player/Multi-DVD player—Built-in CD player—Multi-CD player—iPod—External unit 1—External unit 2—AUX1—AUX2—Telephone—BT Audio

Notes

- In the following cases, the sound source will not change:
 - When there is no unit corresponding to the selected source connected to this unit.
 - When there is no disc in the unit.
 - When there is no disc in the DVD player.
 - When there is no magazine in the multi-CD player.
 - When there is no magazine in the multi-DVD player.
 - When the AUX (auxiliary input) is set to off.
 - When the **BT Audio** source is set to off.
- External unit refers to a Pioneer product (such as one available in the future) that, although incompatible as a source, enables control of basic functions by this unit. Two external units can be controlled by this unit. When two external units are connected, the allocation of

- them to external unit 1 or external unit 2 is automatically set by this unit.
- When this unit's blue/white lead is connected to the vehicle's auto-antenna relay control terminal, the vehicle's antenna extends when this unit's source is turned on. To retract the antenna, turn the source off. ■

Loading a disc

1 Press EJECT to open the front panel.

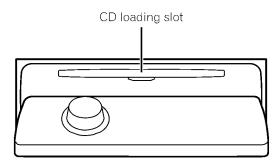
CD loading slot appears.

 After a CD has been inserted, press SOURCE to select the built-in CD player.

2 Insert a CD into the CD loading slot.

Front panel is closed automatically, and playback will start.

 With jacket art function on, jacket arts on CD-ROM disc are automatically read in this unit when the disc is inserted. To cancel reading jacket arts, press BAND.



• You can eject a CD by pressing **EJECT**.

Notes

- The built-in CD player plays one standard, 12cm or 8-cm CD at a time. Do not use an adapter when playing 8-cm CDs.
- Do not insert anything other than a CD into the CD loading slot.

- There is sometimes a delay between starting up CD playback and the sound being issued.
 When being read, Format read is displayed.
- If you cannot insert a disc completely or if after you insert a disc the disc does not play, check that the label side of the disc is up.
 Press EJECT to eject the disc, and check the disc for damage before inserting it again.
- When the CD loading or ejecting function does not operate properly, you can eject the CD by pressing and holding EJECT while opening the front panel.
- If an error message such as ERROR-11 is displayed.

Adjusting the volume

• Use MULTI-CONTROL to adjust the sound level.

With the head unit, turn **MULTI-CONTROL** to increase or decrease the volume.
With the remote control, press **VOLUME** to increase or decrease the volume.

Turning the unit off

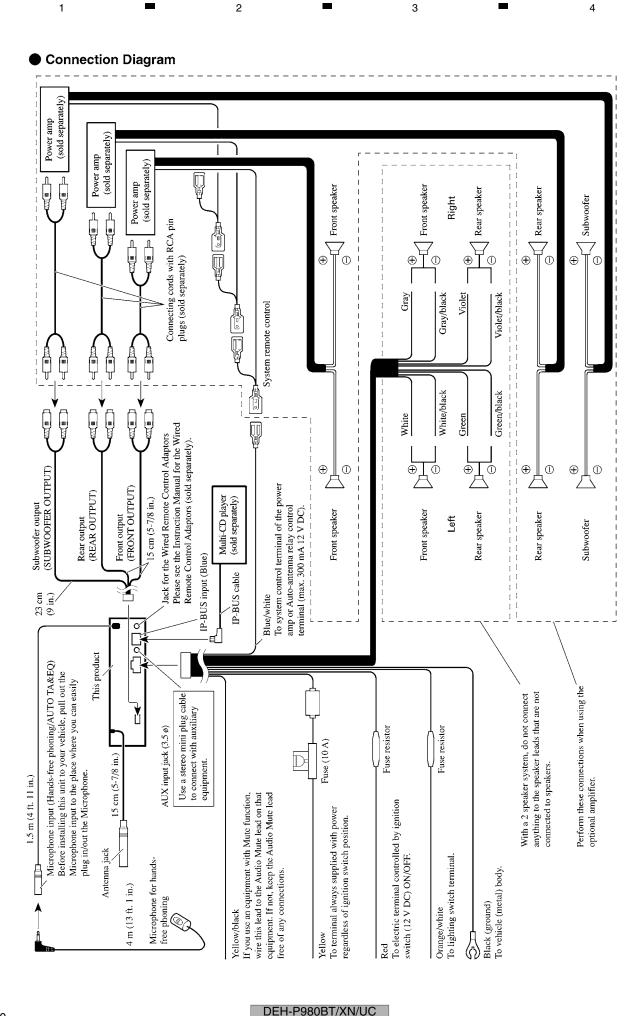
● Press SOURCE and hold until the unit turns off. ■

DEH-P980BT/XN/UC

119

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5 В С D Ε DEH-P980BT/XN/UC 121

Jigs List

| NameJig No.Test DiscTCD-782L.P.F. | | Remarks | | |
|-----------------------------------|---------|--|--|--|
| | | Checking the grating | | |
| | | Checking the grating (Two pieces) | | |
| | GGF1539 | Removing the cord assy(BT antenna cable) | | |

Grease List

| Name Jig No. | | Remarks | |
|-------------------------------|--|---------------------------------|--|
| Grease GEM1024 | | CD Mechanism Module, Drive Unit | |
| Grease GEM1045 Grease GEM1069 | | CD Mechanism Module | |
| | | Drive Unit | |

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Before shipping out the product, be sure to clean the following portions by using the prescribed cleaning tools:

| | Portions to be cleaned | Cleaning tools | | |
|------------------|------------------------|---------------------------|--|--|
| CD pickup lenses | | Cleaning liquid : GEM1004 | | |
| | | Cleaning paper : GED-008 | | |

| Portions to be cleaned | Cleaning tools |
|------------------------|--------------------------|
| Fans | Cleaning paper : GED-008 |

DEH-P980BT/XN/UC

122

2

3

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Service Manual

ORDER NO. CRT3583

CD MECHANISM MODULE(S10.5COMP1)

CX-3164

This service manual describes the operation of the CD mechanism module incorporated in models listed in the table below.

When performing repairs use this manual together with the specific manual for model under repair.

| Model | Service Manual | CD Mechanism Module |
|--------------------|----------------|---------------------|
| DEH-2800MP/XN/UC | CRT3554 | CXK5752 |
| DEH-2850MP/XN/ES | | |
| DEH-2800MP/XN/EW | CRT3555 | CXK5752 |
| DEH-2800MPB/XN/EW | | |
| DEH-2820MP/XN/EW | | |
| DEH-281MP/XN/EW | | |
| DEH-3850MP/XU/ES | CRT3556 | CXK5750 |
| DEH-3850MPH/XU/GS | | |
| DEH-3850MP/XU/CN | | |
| DEH-P3800MP/XU/UC | CRT3557 | CXK5750 |
| DEH-P4800MP/XU/EW | CRT3558 | CXK5750 |
| DEH-P580MP/XN/UC | CRT3563 | CXK5752 |
| DEH-P5800MP/XN/UC | | |
| DEH-P6800MP/XN/EW | CRT3564 | CXK5752 |
| DEH-P5850MP/XN/ES | CRT3565 | CXK5752 |
| DEH-P5850MPH/XN/GS | | |
| DEH-P480MP/XU/UC | CRT3566 | CXK5750 |
| DEH-P4800MP/XU/UC | | |
| DEH-P4850MP/XU/ES | CRT3567 | CXK5750 |
| DEH-P4850MPH/XU/GS | | |
| DEH-P4850MP/XU/CN | | |
| DEH-P680MP/XN/UC | CRT3569 | CXK5752 |
| DEH-P6800MP/XN/UC | | |
| DEH-P6850MP/XN/ES | | |

PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A. PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936 © PIONEER CORPORATION 2005

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| 1. CIRCUIT DESCRIPTIONS | |
|---------------------------|---|
| 2. MECHANISM DESCRIPTIONS | |
| 3 DISASSEMBLY | 2 |

CX-3164

1. CIRCUIT DESCRIPTIONS

UPD63763CGJ, multifunctional LSI used in this device, has built-in CD-ROM decoder and MP3/WMA decoder, as shown in Fig.1.0.1, as well as the conventional CD block, allowing to play CD-ROMs, in which MP3/WMA files are recorded, while the recent mainstay of the CD LSI is the LSI integrating the core DSP with DAC or RF amplifier, which are generally used as peripheral circuits.

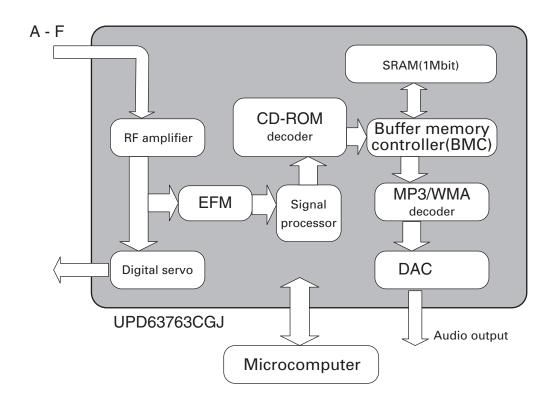


Fig.1.0.1 Block diagram of CD LSI UPD63763CGJ

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In the preamplifier block, the pickup output signals are processed to generate signals that are used in the subsequent blocks: servo, demodulator, and control blocks. Signals from the pickup are I/V converted in the pickup with the preamplifier with built-in photo detectors, and after added with the RF amplifier, they are used to produce such signals as RF, FE, TE, and TE zero-cross signals. The preamplifier block is built in CD LSI UPD63763CGJ (IC201), whose parts are described individually below. Incidentally, as this LSI employs a single power supply (+ 3.3 V) specification, the reference voltages of this LSI and the pickup are the REFO (1.65 V) for both. The REFO is an output obtained from REFOUT in the LSI via the buffer amplifier, and is output from the pin 133 of this LSI. All measurements will be performed with this REFO

Caution: Be careful not to short-circuit the REFO and GND when measuring.

1.1.1 APC (Automatic Power Control) circuit

as the reference.

Since laser diodes have extremely negative temperature characteristics in optical output when driven in constant current, it is necessary to control the current with the monitor diodes in order to keep the output constant. This is the feature of the APC circuit. The LD current is obtained by measuring the voltage between LD1 and V3R3D(+ 3.3 V), and divide the value by 7.5 (ohms), which becomes about 30 mA.

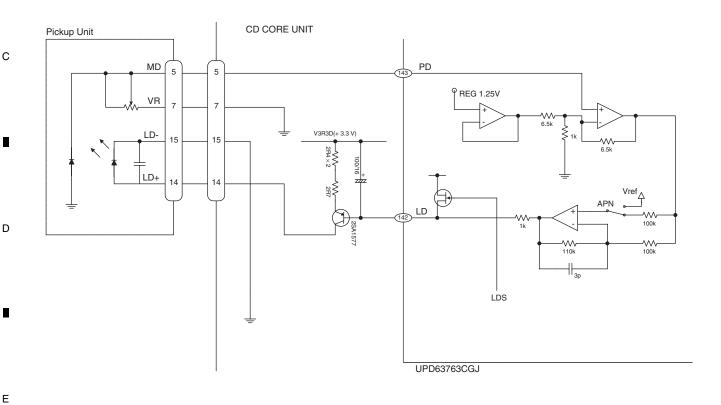


Fig.1.1.1 APC

1.1.2 RF and RFAGC amplifiers

The output from the photo-detector (A + C) and (B + D) is provided from the RFO terminal as the RF signal (which can be used for eye-pattern check), after it is added, amplified, and equalized inside this LSI. The low frequency component of the voltage RFO is calculated as below.

$$RFO = (A + B + C + D) \times 2$$

5

The RFO is used for the FOK generation circuit and RF offset adjustment circuit.

The RFO signal, output from the pin 119, is A/C-coupled externally, input to the pin 118, and amplified in the RFAGC amplifier to obtain the RFAGC signal.

Also, this LSI is equipped with the RFAGC auto-adjustment function, explained below, which switches feedback gains of the RFAGC amplifier so that the RFO output will be 1.5 V.

This RFO signal is also used for the EFM, DFCT, MIRR, and RFAGC auto-adjustment circuits.

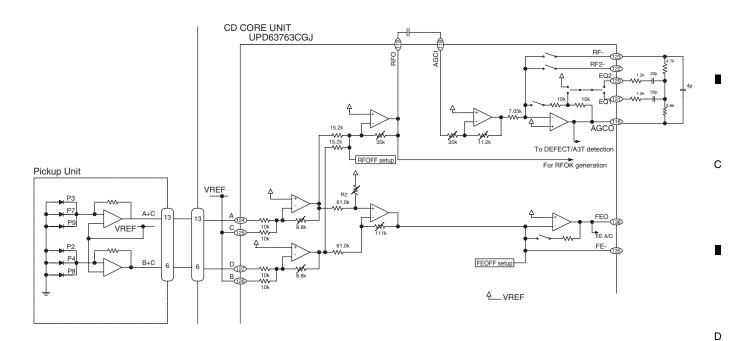


Fig.1.1.2 RF/AGC/FE

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1.1.3 Focus error amplifier

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The photo-detector outputs (A + C) and (B + D) are passed through the differential amplifier and the error amplifier, and (A + C - B - D) is provided from the pin 136 as the FE signal. The low frequency component of the voltage FE is calculated as below.

3

 $FE = (A + C - B - D) \times 8.8k / 10k \times 111k / 61k \times 160k / 72k$

$$= (A + C - B - D) \times 3.5$$

For the FE outputs, an S-shaped curve of 1.5 Vp-p is obtained with the REFO as the reference. The cutoff frequency for the subsequent stage amplifiers is 14.6 kHz.

1.1.4 RFOK circuit

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This circuit generates the RFOK signal, which indicates the timing to close the focus loop and focus-close status during the play mode, from the pin 55. As for the signal, "H" is output in closing the focus loop and during the play mode.

Additionally, the RFOK becomes "H" even in a non-pit area, since the DC level of the RFO signal is peak-held in the subsequent digital block and compared at a certain threshold level to generate the RFOK signal. Therefore, the focus is closed even on a mirror-surface area of a disc. This signal is also supplied to the microcomputer via the low-pass filer as the FOK signal, which is used for protection and gain switching of the RF amplifier.

1.1.5 Tracking error amplifier

The photo-detector outputs E and F are passed through the differential amplifier and the error amplifier to obtain (E - F), and then provided from the pin 139 as the TE signal. The low frequency component of the voltage TE is calculated as below.

TEO = (E - F) x 63k / 112k x 160k / 160k x 181k / 45.4k x 160k / 80k

$$= (E - F) \times 4.48$$

For the TE output, TE waveform of about 1.3 Vp-p with the REFO as the reference. The cutoff frequency in the subsequent is 21.1 kHz.

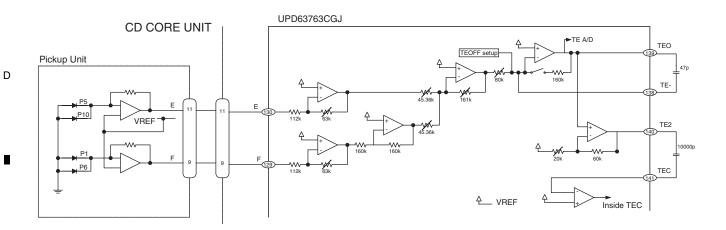


Fig.1.1.3 TE

The tracking zero-cross signal (hereinafter referred to as TEC signal) is obtained by amplifying the TE signal by fourfold, and used to detect the tracking-error zero-cross point. As the purpose of detecting the zero-cross point, the following two points can be named:

- 1. To use for track-counting in the carriage move and track jump modes
- 2. To use for detecting the direction in which the lens moves in tracking close. (Used in the tracking brake circuit to be explained later.)

The frequency range of the TEC signal is from 300 Hz to 20 kHz, and

TEC voltage = TE level x 4

5

The TEC level can be calculated at 4.62 V, which, at this level, exceeds the D range of the operational amplifier, and clips the signal, but, because the CD LSI only uses the signal at the zero-cross point, it poses no particular problem.

1.1.7 EFM circuit

The EFM circuit converts the RF signal into digital signals of 0 and 1. The AGCO signal output from the pin 116 is A/C-coupled externally, input to the pin 114, and supplied to the EFM circuit.

Missing RF signal due to scratches and stains on the disc, and asymmetry of the upper and lower parts of the RF, caused by variation in disc production, cannot be entirely eliminated in AC coupling process, the reference voltage ASY of the EFM comparator is controlled, using the probability that 0 and 1 occur at 50%. Thus, the comparator level will always stay around the center of the RFO signal. This reference voltage ASY is generated by passing the EFM comparator output through the low-pass filter. The EFM signal is output from the pin 111.

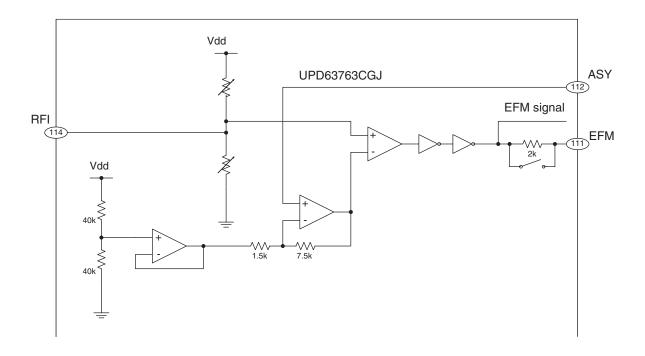


Fig.1.1.4 EFM

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1.2 SERVO BLOCK (UPD63763CGJ: IC201)

The servo block performs servo control such as error signal equalizing, in-focus, track jump and carriage move. The DSP block is the signal-processing unit, where data decoding, error correction, and compensation are performed. The FE and TE signals, generated in the preamplifier stage, are A/D-converted, and output drive signals for the focus, tracking, and carriage systems via the servo block. Also, the EFM signal is decoded in the signal-processing unit, and ends up in outputting D/A-converted audio signals through the D/A converter. Furthermore, in this decoding process, the spindle servo error signal is generated, supplied to the spindle servo block, and used to output the spindle drive signal.

Each drive signal for focus, tracking, carriage, and spindle servos (FD, TD, SD, and MD) are output as PWM3 data, and then converted to analog data through the LPF. These drive signals, after changed to analog form, can be monitored with the FIN, TIN, CIN, and SIN signals, respectively. Subsequently, the signals are amplified and supplied to the actuator and motor for each signal.

1.2.1 Focus servo system

The main equalizer of the focus servo consists of the digital equalizer block. The figure 1.2.1 shows the block diagram of the focus servo system.

In the focus servo system, it is necessary to move the lens within the in-focus range in order to close the focus loop. For that purpose, the in-focus point is looked for by moving the lens up and down with the focus search voltage of triangular signal. During this time, the rotation of the spindle motor is retained at a certain set speed by kicking the spindle motor.

The servo LSI monitors the FE and RFOK signals and automatically performs the focus-close operations at an appropriate timing. The focus-close operation is performed when the following three conditions are satisfied at the same time:

- 1) The lens moves toward the disc surface.
- 2) RFOK = "H"

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3) The FE signal is zero-crossed.

Consequently, the FE converges to "0" (= REFO).

When the above-mentioned conditions are met and the focus loop is closed, the FSS bit is shifted from "H" to "L," and then, in 10 ms, the microcomputer starts monitoring the RFOK signal obtained through the low-pass filter.

If the RFOK signal is determined to be "L," the microcomputer takes several actions including protection.

Fig.1.2.2 shows a series of actions concerning the focus close operations. (It shows a case where the focus loop cannot be closed.)

With the focus mode selector displaying 01 in the test mode, pressing the focus close button, allows to check the S-shaped curve, search voltage, and actual lens behavior.

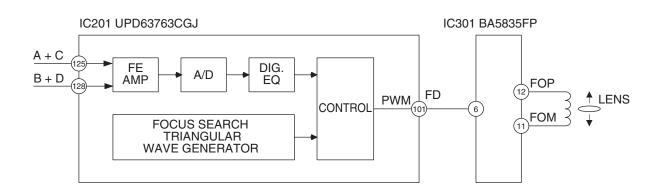


Fig.1.2.1 Block diagram of the focus servo system

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Fig.1.2.2 Timing chart for focus close operations

1.2.2 Tracking servo system

The main equalizer of the tracking servo consists of the digital equalizer block. The figure 1.2.3 shows the block diagram of the tracking servo system.

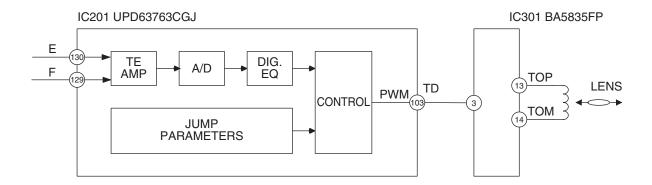


Fig.1.2.3 Block diagram of the tracking servo system

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(a) The track jump operation is automatically performed by the auto-sequence function inside the LSI with a command from the microcomputer. For the track jumps used in the search mode, a single track jump and four to 100 multi-track jump are available in this system. In the test mode, out of these track jumps, 1, 32, and 32 * 3 track jumps, as well as carriage move can be performed and checked in mode selection. In a track jump, the microcomputer sets about half the number of the total tracks to jump (about five tracks for a 10-track jump), and the set number of tracks are counted using the TEC signal. By outputting the brake pulse for a certain period of time (set by the microcomputer) from the time the set number is counted, and stopping the lens, the tracking loop can be closed so that the normal play can be continued.

3

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Also, in order to facilitate closing of the tracking loop in a track jump, the brake circuit is kept ON for 50 msec, after the brake pulse is stopped, for increasing the tracking servo gain. The FF/REW action in the normal operation mode is realized by performing single jumps consecutively. The speed is approximately 10 times faster than in the normal mode.

(b) Brake circuit

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Since the servo loop is not closed very well in the setup mode and track jump mode, the brake circuit is used for stabilizing the servo-loop close operation. The brake circuit detects the direction in which the lens moves, and outputs only the drive signal for the direction opposite to the movement to slow down the lens, thereby stabilizing the tracking servo-loop close operation. Additionally, the off-track direction is determined from the TEC and MIRR signals, as well as their phase relation.

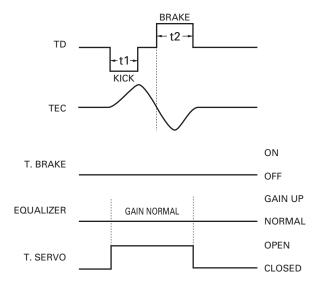
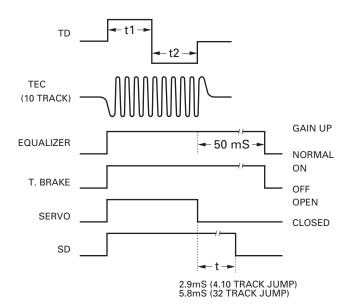


Fig.1.2.4 Single-track jump

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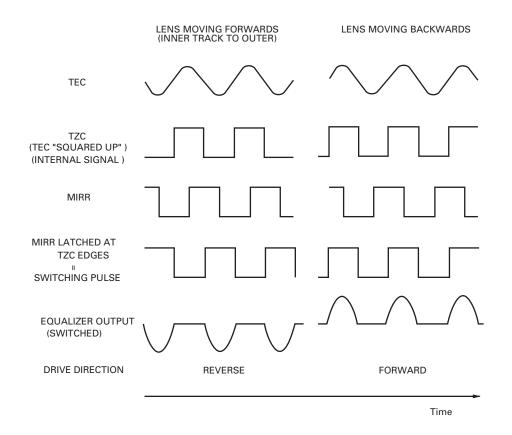
D

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Fig.1.2.5 Multi-track jump

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Note: Equalizer output assumed to have same phase as TEC.

Fig.1.2.6 Track brake

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1.2.3 Carriage servo system

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The carriage servo system inputs the output of the low frequency component from the tracking equalizer (information on the lens position) to the carriage equalizer, and, after the gain is increased to a certain level, outputs the drive signal from the LSI. This signal is applied to the carriage motor via the driver IC.

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Specifically, since it is necessary to move the whole pickup to the FORWARD direction when the lens offset reaches a certain level during the play mode, the equalizer gain is set to output higher voltage than the carriage motor starting voltage at this time. In actual operations, a certain threshold level is preset in the servo LSI for the equalizer output, and only when it exceeds the threshold level, the drive voltage will be output. This can reduce the power consumption. Also, before the whole pickup starts moving, the equalizer output voltage may exceed the threshold level a few times, due to such causes as eccentricity of discs. In this case, the output waveform of the drive voltage from the LSI assumes a pulse-like form.

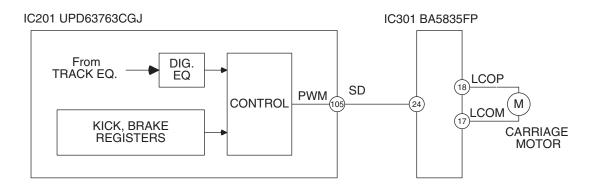


Fig.1.2.7 Block diagram for the carriage servo block

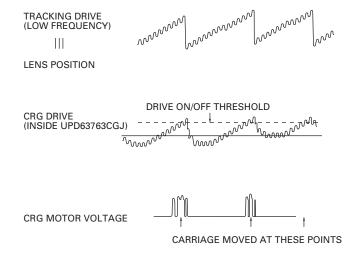


Fig.1.2.8 Waveforms of the carriage signal

F

In the spindle servo system, the following modes are available:

Kick

Used to accelerate the disc rotation in the setup mode.

- 2) Offset
- a. Used in the setup mode after the kick mode, until the TBAL adjustment is completed.
- b. Used during the play mode when the focus loop is unlocked, until it is locked again.

In both cases, the mode is used to keep the disc rotation approximately normal.

3) Applicable servo

CLV servo mode, used in the normal operation.

In the EFM demodulation block, by WFCK/16 sampling whether the frame sync signal and the internal frame counter output are synchronized, a signal is created to show if they are "in-sync" or "non-sync." The status is not recognized as asynchronous until the signal is "non-sync" for eight consecutive times; otherwise it is recognized as synchronous. In the applicable servo mode, the leading-in servo mode is automatically selected in the asynchronous status, and the normal servo mode in the synchronous status.

4) Brake

Used to stop the spindle motor.

In accordance with the microcomputer's command, the brake voltage is sent out from the servo LSI. At this time, the EFM waveform is monitored in the LSI, and when the longest EFM pattern exceeds a certain interval (or the rotation slows down enough), a flag is set inside the LSI, and the microcomputer switches off the brake voltage. If a flag is not set within a certain period, the microcomputer shifts the mode from the brake mode to the stop mode, and retains the mode for a certain period of time. If the mode switches to this stop mode in the eject operation, the disc will be ejected after the period of time mentioned above elapses.

5) Stor

Used when the power is turned on and during the eject operation. In the stop mode, the voltage in both ends of the spindle motor is 0 V.

6) Rough servo

Used in carriage feed (carriage move mode such as long search).

By obtaining the linear velocity from the EFM waveform, the "H" or "L" level is input to the spindle equalizer. In the test mode, this mode is also used for grating confirmation.

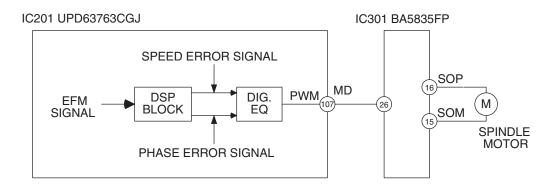


Fig.1.2.9 Block diagram of the spindle servo system

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1.3 AUTOMATIC ADJUSTMENT FUNCTION

In this system, all the circuit adjustments are automated inside the CD LSI.

All adjustments are performed whenever a disc is inserted or the CD mode is selected by pressing the source key. Details of each adjustment will be explained below.

1.3.1 TE, FE, and RF offset auto-adjustment

In this adjustment the TE, FE, and RF amplifier offsets of the preamplifier block in POWER ON are adjusted to the respective target values with the REFO as reference. (The target values for TE, FE, and RF offsets are 0 V, 0 V, and - 0.8 V, respectively.)

Adjusting procedure

- 1) The microcomputer reads respective offsets through the servo LSI, when they are in LDOFF status.
- 2) The microcomputer calculates the voltages for correction from the values read in 1), and substitutes the corrected values to prescribed places to adjust.

1.3.2 Tracking balance (T.BAL) auto-adjustment

This adjustment equalizes the output difference of the E-ch and F-ch from the pickup by changing the amplifier gain inside the LSI. In actual operation, adjustment is performed so that the TE waveform becomes symmetrical on each side of the REFO.

Adjusting procedure

- 1) After closing the focus loop,
- 2) Kick the lens in the radial direction to ensure the generation of the TE waveform.
- 3) The microcomputer reads the offset amount of the TE signal calculated in the LSI at the time through the servo LSI.
- 4) The microcomputer determines the offset amount is 0, positive, or negative.
- When the offset amount is 0, the adjustment is completed.
- When the offset amount is positive or negative, the amp gains for E-ch and F-ch should be changed, following a certain rule.

Then, steps 2) to 4) are repeated until the offset amount becomes 0 or the repetition reaches the limit number of times.

1.3.3 FE bias auto-adjustment

This adjustment is to maximizes the RFO level by optimizing the focus point during the play mode, utilizing the phase difference between the 3T level waveform of the RF waveform and that of when focus error disturbance is input. This adjustment is performed at the same timing as the auto-gain control, which will be described later, since disturbance is input to the focus loop.

Adjusting procedure

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- 1) The microcomputer issues the command to introduce disturbance to the focus loop (inside the servo LSI).
- 2) The waver of the 3T component of the RF signal is detected in the LSI.
- 3) The relation between the 3T component above and the disturbance is processed inside the LSI to detect the volume and direction of the focus offset.
- 4) The microcomputer issues a command and reads out the detected results from the servo LSI.
- 5) The microcomputer calculates the necessary correction and substitutes the result to the bias adjustment term inside the servo LSI.

Additionally, in this adjusting, a series of steps are repeated for better adjustment accuracy, the same as in the auto-gain control.

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1.3.4 Focus and tracking AGC

This adjustment is to automatically adjust the focus and tracking servo loop gains.

Adjusting procedure

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- 1) Introduce disturbance to the servo loop.
- 2) The error signals (FE and TE) when disturbance is introduced are extracted through the band pass filter, to obtain the G1 and G2 signals.
- 3) The microcomputer reads the G1 and G2 signals through the servo LSI.
- 4) The microcomputer calculates the necessary correction and performs the loop gain adjustment inside the servo LSI. For increased adjustment accuracy, the same adjustment process is repeated a few times.

1.3.5 RF level auto-adjustment (RFAGC)

This adjustment is to adjust the dispersion of the RF level (RFO), which may be caused by mechanism or disc-related factors, to a steady value for reliable signal transmission. The adjustment is performed by changing the amp gain between RFO and RFAGC.

Adjusting procedure

- 1) The microcomputer issues a command and reads out the output from the RF level detection circuit inside the servo LSI.
- 2) From the read values, the microcomputer calculates the amp gain to change the RFAGC level to the target.
- 3) The microcomputer sends a command to the servo LSI to adjust the amp gain to the level calculated in 2).

This adjustment is performed

- 1) when only the focus close operation is completed during the setup mode, and
- 2) immediately before the setup is completed (or when the play mode is about to start).

1.3.6 Adjustment of gains in preamplifier stage

In this adjustment, when reflected beams from the disc surface are extremely weak, such as when the lens is dirty, or a CD-RW is played, gains in the whole RFAMP block (FE, TE, and RF amplifiers) are increased by + 6 dB or + 12 dB, depending on the situation.

Adjusting procedure

When the system determines that the reflected beams from the disc surface are extremely weak during the setup mode, the whole RFAMP gains will be increased by + 6 dB or + 12 dB.

1.3.7 Initial values in adjustment

All automatic adjustments immediately after inserting a disc are performed based on the initial values. Automatic adjustments by source change or ACC ON are basically performed using the previous adjustment values as the initial values.

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1.3.8 Coefficient display of adjustment results

For some of the adjustments (FE and RF offset, FZD cancel, F and T gains, and RFAGC), the adjustment results can be displayed and confirmed in the test mode.

The coefficient display in each auto adjustment is as follows:

1) FE and RF offset

1

Reference value = 32 (coefficient of 32 indicates that no adjustment is required)

The value is displayed in the unit of approximately 32mV.

Ex. When the FE offset coefficient is 35,

 $35 - 32 = 3 \times 32 \text{ mV} = 96 \text{ mV}$

The correction is about +96 mV, which means the FE offset before adjustment is - 96 mV.

2) F and T gain adjustment

Reference value for focus and tracking = 20

The displayed coefficient / the reference value indicates the adjusted gain.

Ex. When the AGC coefficient is 40,

adjustment of 40 / 20 = 2 times (+ 6 dB) has been performed.

(It means that the original loop gain was half the target, and the whole gain was doubled to obtain the target value.)

3) RF level adjustment (RFAGC)

Reference value = 8

The coefficient of 9 to 15 indicates to increase the RF level

(for more gains).

The coefficient of 7 to 10 indicates to decrease the RF level

(for less gains).

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When the coefficient changes by 1, the gain changes by 0.7 to 1 dB.

When the coefficient is 15, the gain is the maximum at TYP + 7.9 dB.

When the coefficient is 0, the gain is the minimum at TYP - 4.6 dB.

1.4 POWER SUPPLY AND LOADING BLOCK

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For the power supply for this system, the VD $(7.5 \pm 0.5 \text{ V})$ and the VDD $(5.0 \pm 0.25 \text{ V})$, which are supplied from the motherboard, are used. The three power supplies, the VD mentioned above (for the drive system), the V3R3D obtained from the VD via the 3.3 V regulator (for the control system: 3.3 V) and the VDD (for the microcomputer: 5 V), are used in this system.

The microcomputer controls ON/OFF with "CONT", except for Load/Eject of the CD driver, and ON/OFF of 3.3 V with "CD3VON". For ON/OFF of the Loading drive, no particular control terminals are available, but the input signal "LOEJ" assumes an equivalent role. Also, the LCO output switches LOADING MODE and CARRIAGE MODE with "CLCONT".

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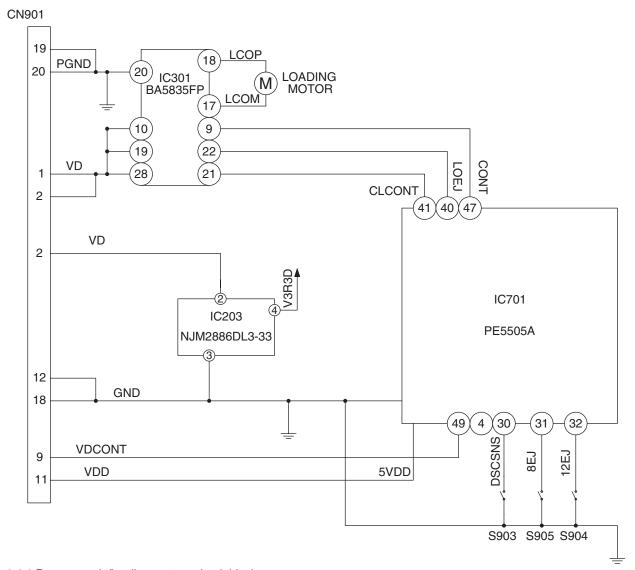


Fig.1.4.1 Power supply/loading system circuit block

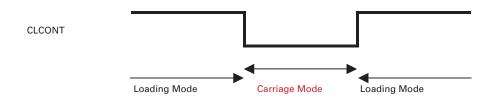


Fig.1.4.2 Loading/carriage mode shift

The load/eject operation is controlled with the status changes of the HOME switch (also used for clamp detection) on the mechanism unit and the three switches on the control unit. The ON/OFF statuses of these switches are respectively

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Using the detection results in the microcomputer, each status (A to E) is determined. The disc size detection (8 or 12 cm) is also performed through this status change. Each status is shown in Fig.1.4.3 and the status change in Fig.1.4.4.

DSCSNS 8SW 12SW HOME

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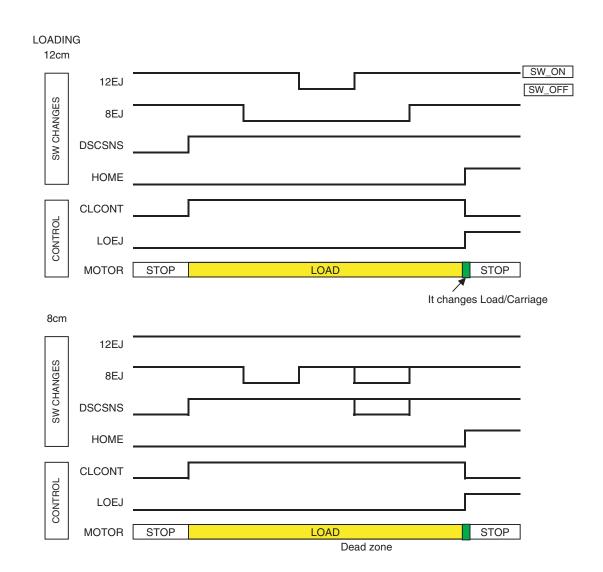
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detected at the input port of the microcomputer.

| | Status | Α | В | С | D | E |
|---|-----------------|--------------|-----|-----|-----|-------------|
| 3 | SW1(S903) | OFF | ON | ON | ON | ON |
| | SW2(S905) | ON | ON | OFF | OFF | ON |
| | SW3(S904) | ON | ON | ON | OFF | ON |
| | SW4(S901) | OFF | OFF | OFF | OFF | ON |
| | Mechanism state | With no disc | | | | Clamp state |

Fig.1.4.3 DSCSNS status



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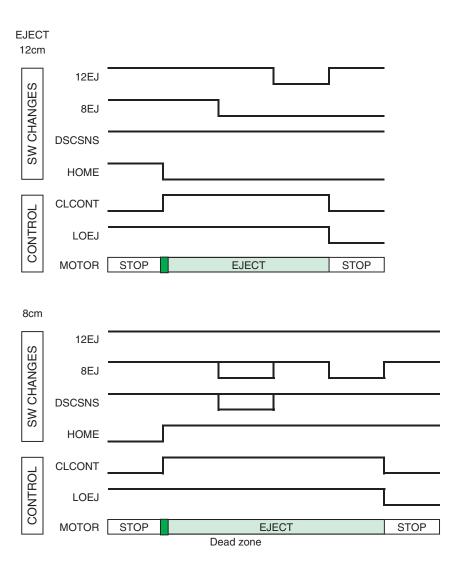


Fig.1.4.4 Status change in LOAD and EJECT modes

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2. MECHANISM DESCRIPTIONS

Loading actions

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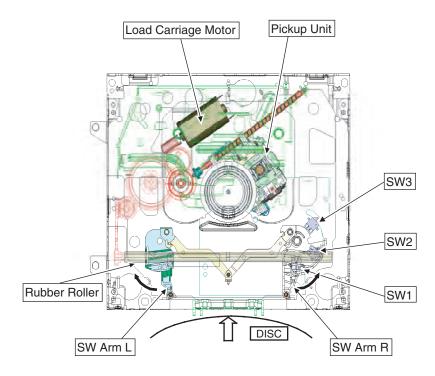
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- 1. When a disc is inserted, SW Arm L and R rotate and SW1 is switched from ON to OFF.

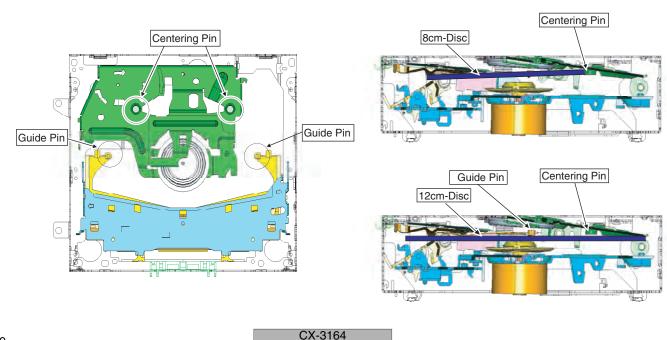
 When SW1 is switched from ON to OFF, the Load Carriage Motor is started and the rubber roller rotates.
- 2. If the disc is a 12cm-disc, SW3 is turned ON with SW Arm, and the microcomputer determines that the disc is a 12cm-disc.
- 3. In case of an 8cm-disc, SW3 is not turned ON, a clamp action is triggered, and the microcomputer determines that the disc is an 8cm-disc.

(The left and right of SW Arm are coupled, and when only one side is pushed, the coupled joint will lock, and the arms will not open more than a certain width (SW3 will not be turned ON).)



Disc centering mechanism

- 1. 8cm-disc is centered by the Guide Pins and the Centering Pins.
- 2. 12cm-disc passes under the Guide Pins and the Centering Pins, and centered in the back position of the mechanism.



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Clamp actions mechanism

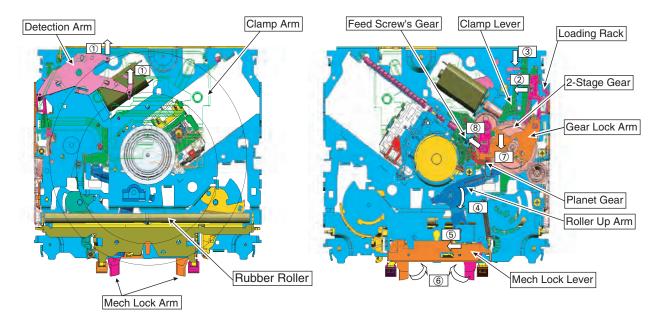
- 1. With an 8 or 12cm-disc centered on the spindle, the Detection Arm is moved.
- 2. The movement of the Detection Arm engages the Loading Rack with the 2-Stage Gear.
- 3. The Clamp Lever slides and lowers the Clamp Arm (the disc is clamped).

At the same time, the Roller Up Arm is rotated, and the Rubber Roller is separated from the disc.

Also the arm slides the Mechanical Lock Lever, turns the Mechanical Lock Arm, and releases the mechanical lock, completing the clamp operation.

4. When the clamp action is completed, the Clamp Lever rotates the Gear Lock Arm.

When the arm is rotated, the Planet Gear is separated from the 2-Stage Gear and engaged with the gear of the pickup feed screw, and the carriage operation will start



Eject actions

- 1. When the Load Carriage Motor is rotated backward, and the pickup is fed to the inner periphery passing the home SW ON point, the eject action will start in the reverse order of the procedure mentioned earlier.
- 2. For a 12cm-disc, Eject is completed when SW3 is switched OFF, ON, and OFF again.
- 3. For an 8cm-disc, Eject is completed when SW2 is switched OFF, ON, and OFF again.

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3. DISASSEMBLY

How to hold the Mechanism Unit

1. Hold the Upper and Lower Frames.

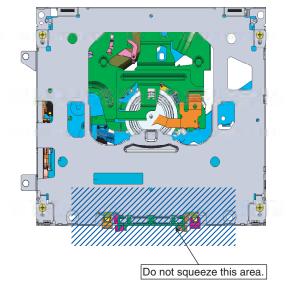
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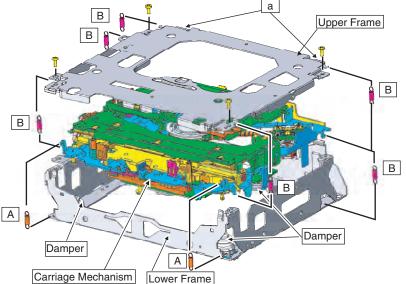
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2. Do not hold the front portion of the Upper Frame, because it is not very solid.



Removing the Upper and Lower Frames

- 1. With a disc inserted and clamped in the mechanism, remove the two Springs (A), the six Springs (B), and the four Screws.
- 2. Turn the Upper Frame using the part "a" as a pivot, and remove the Upper Frame.
- 3. While lifting the Carriage Mechanism, remove it from the three Dampers.
- Caution: When assembling, be sure to apply some alcohol to the Dampers and assemble the mechanism in a clamped state.



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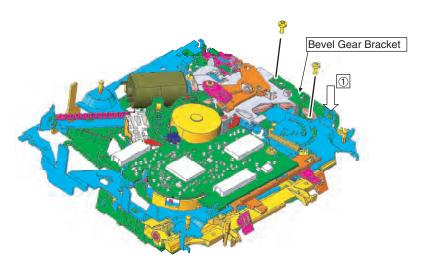
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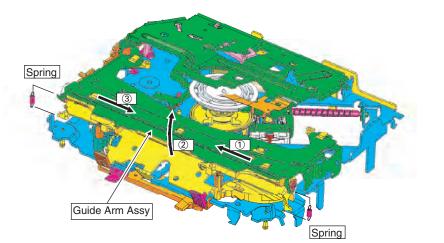
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Removing the Guide Arm Assy

- 1. Remove the Upper and Lower Frames and set the mechanism to the eject mode.
- 2. Remove the two Screws and Bevel Gear Bracket. (Note that the gears will come off.)
- 3. Remove the two Springs from the left and right sides.
- 4. Slide the Guide Arm Assy to the left, and turn it upward.
- 5. When it is turned about 45 degrees, slide it to the right and remove.

Caution: When assembling, assemble with the Bevel Gear Bracket moved to the direction of the arrow (①).





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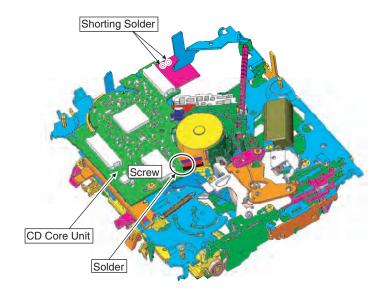
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How to remove the CD Core Unit

- Apply Shorting Solder to the flexible cable of the Pickup, and disconnect it from the connector.
- 2. Unsolder the four leads, and loosen the Screw.
- 3. Remove the CD Core Unit.

Caution: When assembling the CD Core Unit, assemble it with the SW in a clamped state so as not to damage it.

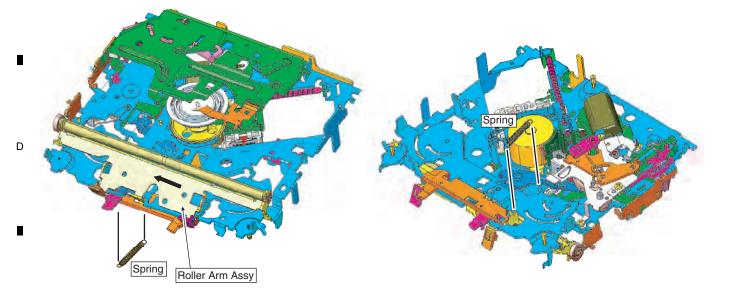


How to remove the Roller Arm Assy

- 1. Remove the Guide Arm Assy.
- 2. Remove the CD Core Unit. (If the Spring can be removed, the unit need not be removed, depending on the type of CD Core Unit.)
- 3. Remove the Spring.

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4. Slide the Roller Arm Assy to the left.



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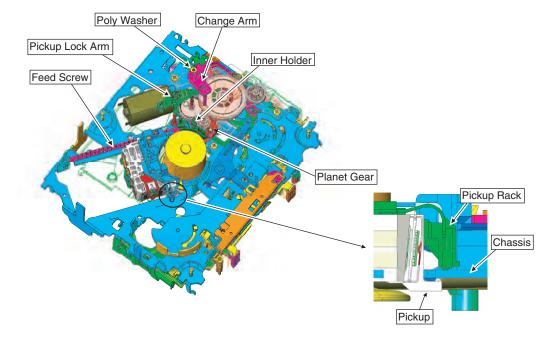
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How to remove the Pickup Unit

- 1. Make the system in the carriage mechanism mode, and have it clamped.
- 2. Remove the CD Core Unit and remove the leads from the Inner Holder.
- 3. Remove the Poly Washer, Change Arm, and Pickup Lock Arm.
- 4. While releasing from the hook of the Inner Holder, lift the end of the Feed Screw.

Caution: When assembling, move the Planet Gear to the load/eject position before setting the Feed Screw in the Inner Holder.

Assemble the sub unit side of the Pickup, taking the plate (Chassis) in-between. When treating the leads of the Load Carriage Motor Assy, do not make them loose over the Feed Screw.



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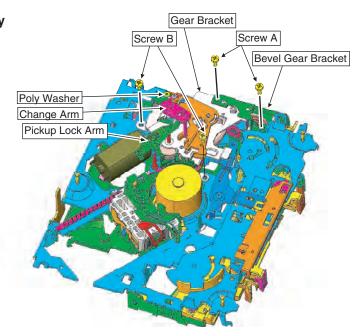
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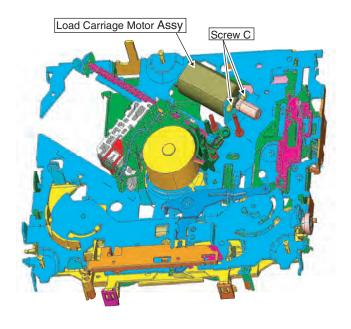
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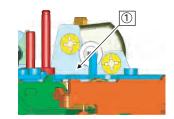
How to remove the Load Carriage Motor Assy

- 1. Make the system in the carriage mechanism mode, and have it clamped.
- 2. Release the leads (orange and purple) of Load Carriage Motor Assy from the CD Core Unit and remove the holder.
- 3. Remove the Poly Washer, Change Arm, and Pickup Lock Arm.
- 4. Remove the two Screws (A) and the Bevel Gear Bracket (Note that the gears will come off).
- 5. Remove the two Screws (B) and the Gear Bracket (remove the CD Core Unit, if necessary), and remove all the gears.
- 6. Remove the two Screws (C) and the Load Carriage Motor Assy.
- Caution: When assembling the Load Carriage Motor Assy, move it to the direction shown in the illustration (1).

When treating the leads of the Load Carriage Motor Assy, do not make them loose over the Feed Screw.







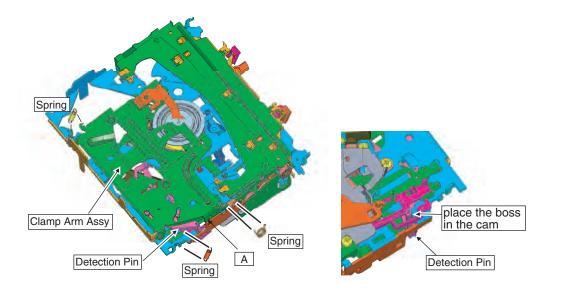
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■ How to remove the Clamp Arm Assy

- 1. Make the system in the carriage mechanism mode, and set the mechanism to the eject mode.
- 2. Remove the three Springs.
- 3. While pressing the position A, turn the Clamp Arm Assy upward, slide it to the left, and remove. Caution: When assembling, place the boss of the Detection Pin in the cam unit of the Loading Rack.



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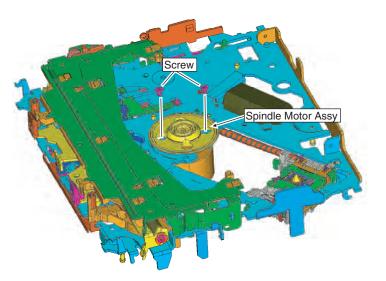
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How to remove the Spindle Motor Assy

- 1. Make the system in the carriage mechanism mode, and have it clamped.
- Remove the CD Core Unit and remove the leads from the Inner Holder.
- 3. Set the mechanism to the eject mode and remove the Clamp Arm Assy.
- 4. Set the mechanism to the clamped and move the Pickup to circumference.
- Remove the two Screws, and remove the Spindle Motor Assy.



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